

GenCore version 5.1.6
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OM protein - nucleic search, using frame_plus_p2n model

Run on: January 18, 2005, 21:20:42 ; Search time 3610 Seconds
(without alignments)
3916.792 Million cell updates/sec

Title: US-10-785-220-1
Perfect score: 1544
Sequence: 1 MGTKAVERKLLCLFILAIL.....YQPSARSECFKQTSFLV 299

Scoring table: BLOSUM62
Xgapop 10.0 , Xgapext 0.5
Ygapop 10.0 , Ygapext 0.5
Fgapop 6.0 , Fgapext 7.0
Delop 6.0 , Delext 7.0

Searched: 4526729 seqs, 23644849745 residues

Total number of hits satisfying chosen parameters: 9053458

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 1500 summaries

Command line parameters:
-MODEL=frame+ p2n.model -DEV=xlp
-Q=/cgn2_1/USPTO_spool_p/US10785220/runat_18012005_132311_3412/app_query.fasta_1.455
-DB=GenEmbl -QFMT=fastcap -SUFFIX=eye -MINMATCH=0.1 -LOOPCL=0 -LOOPEXT=0
-UNITS=bits -START=1 -END=1 -MATRIX=blosum62 -TRANS=human40.cdi -LIST=1500
-DOALIGN=200 -THR SCORE=pct -THR MAX=100 -THR MIN=0 -ALIGN=15 -MODE=LOCAL
-OUTFMT=pct -NORM=ext -HEADSIZE=500 -MINLEN=0 -MAXLEN=2000000000
-USER=US10785220@cgn 1.1 5600 @runat_18012005_132311_3412 -NCPU=6 -ICPU=3
-NO MMAP -LARGEQUERY -NEG_SCORES=0 -WAIT -DSPLOCK=100 -LONGLOG
-DEV_TIMEOUT=120 -WARN_TIMEOUT=30 -THREADS=1 -XGAPOP=10 -XGAPEXT=0.5 -FGAPOP=6
-FGAPEXT=7 -YGAPOP=10 -YGAPEXT=0.5 -DELOP=6 -DELEXT=7

Database :

GenEmbl.*
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2: gb_ntg.*
3: gb_in.*
4: gb_on.*
5: gb_ov.*
6: gb_pat.*
7: gb_ph.*
8: gb_pl.*
9: gb_pr.*
10: gb_ro.*
11: gb_sts.*
12: gb_sy.*
13: gb_un.*
14: gb_vl.*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Match	Length	ID	Description
1	1544	100.0	1077	9	CR533512 Homo sapi
2	1544	100.0	1140	6	AR201016 Sequence
3	1544	100.0	1140	6	BD080010 Human Fl1
4	1544	100.0	1236	6	CQ834196 Sequence

5	1544	100.0	1822	6	AR478942
6	1544	100.0	1822	9	AF207907
7	1544	100.0	1842	6	BD175316
8	1544	100.0	1842	6	BD075465
9	1544	100.0	1842	6	BD172325
10	1544	100.0	1842	6	BD172644
11	1544	100.0	1842	6	BD172963
12	1544	100.0	1842	6	BD173282
13	1544	100.0	1857	6	AR410694
14	1544	100.0	1857	6	AR439058
15	1544	100.0	1857	6	AR473078
16	1544	100.0	1857	6	AX098379
17	1544	100.0	1857	6	AX403735
18	1544	100.0	1857	6	AX454468
19	1544	100.0	1857	6	AX464232
20	1544	100.0	1857	6	AX490946
21	1544	100.0	1857	6	AX697527
22	1544	100.0	1857	9	AY358896
23	1544	100.0	2014	9	AL136649
24	1544	100.0	2100	9	AF111713
25	1544	100.0	2141	6	CQ783224
26	1544	100.0	2141	6	BD127538
27	1544	100.0	2141	9	AK075152
28	1544	100.0	2152	9	AK026665
29	1544	100.0	2166	9	BC001533
30	1544	100.0	2187	9	AF191495
31	1544	100.0	3389	6	CQ490392
32	1544	100.0	3389	6	CQ496249
33	1544	100.0	3738	9	AF172398
34	1536	99.5	1421	6	BD209704
35	1536	99.5	1421	6	AR341510
36	1532	99.2	1421	6	BD209598
37	1532	99.2	1421	6	AR341404
38	1490	96.5	1089	6	CQ718721
39	1407.5	91.2	891	6	A91701
40	1407.5	91.2	891	6	BD023444
41	1407.5	91.2	924	6	A91699
42	1407.5	91.2	924	6	BD023442
43	1287	83.4	1116	6	CQ834198
44	1281	83.0	1612	9	AF154005
45	1212	78.5	790	6	CQ781650
46	1212	78.5	790	6	BD126359
47	1176.5	76.2	1065	4	AF111714
48	1153	74.7	1009	6	AR201017
49	1153	74.7	1009	6	BD080011
50	1096.5	71.0	1876	10	BC065309
51	1096.5	71.0	1895	10	AF276998
52	1081	70.0	726	6	AR216157
53	1079.5	69.9	1851	10	BC021876
54	1073.5	69.5	900	6	A91702
55	1073.5	69.5	900	6	BD023445
56	1073.5	69.5	1374	6	A91700
57	1073.5	69.5	1374	6	BD023443
58	1073.5	69.5	2029	10	MMU89915
59	1023	66.3	612	6	BD061109
60	981.5	63.6	25001	9	AF490407
61	981.5	63.6	163924	2	AL162592
62	981.5	63.6	200822	2	AL591806
63	938	60.8	217767	2	AC111214
64	910	58.9	721	6	AR478943
65	789.5	51.1	605	6	CQ780520
66	789.5	51.1	605	6	BD125229
67	722	46.8	264977	2	AC097564
68	707	45.8	190588	10	AC083892
69	707	45.8	215043	10	AC087229
70	701	45.4	283967	2	AC105589
71	700	45.3	614	10	AF241261
72	679	44.0	390	6	AR216156
73	602.5	39.0	1791	5	BC046720
74	580.5	37.6	1803	5	BC054305
75	576	37.3	403	6	BD209582
76	576	37.3	403	6	AR341388
77	559	36.2	324	6	CQ731043

78	439	28.4	1246	9	AY077698	Homo sapi	151	277.5	18.0	2307	10	AF247659	AR247659	Mus muscu
79	435	28.2	1076	6	BD106412	Secreted	152	276.5	17.9	413	6	AR216173	AR216173	Sequence
80	435	28.2	1260	9	AF255910	Homo sapi	153	272.5	17.6	960	6	AR170205	AR170205	Sequence
81	435	28.2	1263	9	BC017779	Homo sapi	154	272.5	17.6	960	6	I82549	I82549	Sequence
82	435	28.2	1410	9	AY016009	Homo sapi	155	272.5	17.6	1025	9	BC074830	BC074830	Homo sapi
83	433	28.0	1022	6	AR229209	Sequence	156	272.5	17.6	1025	9	BC074876	BC074876	Homo sapi
84	433	28.0	1022	6	AX810711	Sequence	157	272.5	17.6	2565	6	AR170210	AR170210	Sequence
85	433	28.0	1022	6	BD084186	28 human	158	272.5	17.6	2565	6	I82554	I82554	Sequence
86	424	27.5	533	9	AF356518	Homo sapi	159	272.5	17.6	2605	9	BC069789	BC069789	Homo sapi
87	424	27.5	960	9	HS434431	Homo sapi	160	272.5	17.6	2610	9	BC069705	BC069705	Homo sapi
88	424	27.5	1296	6	BD268818	Vascular	161	272.5	17.6	2610	9	BC069723	BC069723	Homo sapi
89	424	27.5	1296	6	AX036065	Sequence	162	272.5	17.6	2610	9	BC069745	BC069745	Homo sapi
90	424	27.5	1724	6	CQ782704	Sequence	163	272.5	17.6	2610	9	BC069761	BC069761	Homo sapi
91	424	27.5	1724	6	BD127272	Primer fo	164	272.5	17.6	2760	6	AX399902	AX399902	Sequence
92	424	27.5	1724	9	AK074769	Homo sapi	165	272.5	17.6	2793	6	CQ727019	CQ727019	Sequence
93	424	27.5	1740	9	AF448478	Homo sapi	166	272.5	17.6	2793	6	AR214142	AR214142	Sequence
94	424	27.5	3507	9	BC010690	Homo sapi	167	272.5	17.6	2793	6	AX330282	AX330282	Sequence
95	424	27.5	3515	6	CQ783910	Sequence	168	272.5	17.6	2793	6	AX410791	AX410791	Sequence
96	424	27.5	3515	6	BD127896	Primer fo	169	272.5	17.6	2793	6	HSU79725	U79725	Human A33 a
97	424	27.5	3515	9	AK075309	Homo sapi	170	272.5	17.6	2803	9	HSU79725	U79725	Human A33 a
98	424	27.5	3554	6	AR410959	Sequence	171	271	17.6	748	6	CQ780146	CQ780146	Sequence
99	424	27.5	3554	6	AR439323	Sequence	172	271	17.6	748	6	CQ781546	CQ781546	Sequence
100	424	27.5	3554	6	AR473343	Sequence	173	271	17.6	748	6	BD124855	BD124855	Primer fo
101	424	27.5	3554	6	AX454676	Sequence	174	271	17.6	748	6	BD126255	BD126255	Primer fo
102	424	27.5	3554	6	AX464404	Sequence	175	254	16.5	1440	5	BX934867	BX934867	Gallus ga
103	424	27.5	3554	6	AX491154	Sequence	176	254	16.5	1451	5	BX936257	BX936257	Gallus ga
104	424	27.5	3554	6	AX697831	Sequence	177	253	16.4	382	6	BD242048	BD242048	Compounds
105	424	27.5	3554	9	AY358335	Homo sapi	178	253	16.4	382	6	AR237231	AR237231	Sequence
106	424	27.5	3626	9	BC012147	Homo sapi	179	253	16.4	382	6	AR278255	AR278255	Sequence
107	424	27.5	3662	9	HS416101	Homo sapi	180	253	16.4	382	6	AR366951	AR366951	Sequence
108	424	27.5	4385	6	BD275994	62 Human	181	253	16.4	382	6	AR370847	AR370847	Sequence
109	424	27.5	4386	6	BD275944	62 Human	182	253	16.4	382	6	AR392352	AR392352	Sequence
110	424	27.5	4386	6	BD275995	62 Human	183	253	16.4	382	6	AR399987	AR399987	Sequence
111	423	27.4	3560	6	BD250662	48 human	184	253	16.4	382	6	AR405254	AR405254	Sequence
112	419	27.1	1956	6	BD248699	Immunoglo	185	253	16.4	382	6	AR439458	AR439458	Sequence
113	416.5	27.0	1389	6	AX772824	Sequence	186	253	16.4	382	6	AX106358	AX106358	Sequence
114	411	26.6	1941	10	MMU300304	Mus muscu	187	253	16.4	382	6	AX140649	AX140649	Sequence
115	411	26.6	1943	6	BD268816	Vascular	188	253	16.4	382	6	AX200509	AX200509	Sequence
116	411	26.6	1943	6	AX036059	Sequence	189	253	16.4	382	6	AX267165	AX267165	Sequence
117	411	26.6	1957	10	BC024357	Mus muscu	190	253	16.4	382	6	BD070284	BD070284	Compounds
118	410	26.6	1082	10	AF255911	Mus muscu	191	232	15.0	981	6	BD249458	BD249458	Human pro
119	410	26.6	1349	10	BC028778	Mus muscu	192	232	15.0	1100	6	BD249468	BD249468	Human pro
120	410	26.6	1551	10	MMU291757	Mus muscu	193	232	15.0	1138	9	BC007313	BC007313	Homo sapi
121	408	26.4	1295	6	BD175271	Secretory	194	232	15.0	1161	6	AX056679	AX056679	Sequence
122	408	26.4	1295	6	AR216160	Secretory	195	232	15.0	1161	6	AX358982	AX358982	Sequence
123	408	26.4	1295	6	AR410649	Sequence	196	232	15.0	1161	6	AX362475	AX362475	Sequence
124	408	26.4	1295	6	AR439013	Sequence	197	232	15.0	1161	9	AX358897	AX358897	Homo sapi
125	408	26.4	1295	6	AR473033	Sequence	198	232	15.0	1173	6	BD222682	BD222682	Human sig
126	408	26.4	1295	6	AX055378	Sequence	199	232	15.0	1221	9	AK000460	AK000460	Homo sapi
127	408	26.4	1295	6	AX098375	Sequence	200	229	14.8	1130	6	BD233731	BD233731	31 human
128	408	26.4	1295	6	AX464202	Sequence	201	220	14.2	1087	5	GGY14064	Y14064	Gallus gall
129	408	26.4	1295	6	AX697472	Sequence	202	219	14.2	1114	5	GGY14063	Y14063	Gallus gall
130	408	26.4	1295	6	BD075420	Secretory	203	215	13.9	1135	6	BD233754	BD233754	31 human
131	408	26.4	1295	6	BD172280	Secreted	204	214.5	13.9	8546	6	AX828406	AX828406	Sequence
132	408	26.4	1295	6	BD172599	Secreted	205	214.5	13.9	8546	9	HS4306906	AJ306906	Homo sapi
133	408	26.4	1295	6	BD172918	Secreted	206	213.5	13.8	4073	6	AX269342	AX269342	Sequence
134	408	26.4	1295	6	BD173237	Secreted	207	213.5	13.8	18207	6	AX828384	AX828384	Sequence
135	408	26.4	1295	9	AY358361	Homo sapi	208	210.5	13.6	1883	5	AF268197	AF268197	Danio rer
C 136	397	25.7	1155	11	BV180591	sgnm11043	209	210.5	13.6	1932	5	BC045286	BC045286	Danio rer
C 137	396.5	25.7	905	6	AX083641	Sequence	210	210.5	13.6	1932	5	BC045286	BC045286	Danio rer
C 138	391.5	25.4	920	11	BV180595	sgnm11044	211	210.5	13.6	179629	2	BSX27227	BSX27227	Danio rer
139	391	25.3	1626	6	BD268817	Vascular	212	210.5	13.6	195222	2	BSX10918	BSX10918	Danio rer
140	391	25.3	1631	6	AX036060	Sequence	213	210	13.6	1650	5	BC064174	BC064174	Xenopus t
141	385.5	25.0	800	6	CQ731715	Sequence	214	208.5	13.5	3135	5	XL043330	XL043330	Sequence
142	385	24.9	980	6	AX364850	Sequence	215	207.5	13.4	1033	9	AF124598	AF124598	Homo sapi
143	351.5	22.8	3363	6	CQ842001	Sequence	216	207.5	13.4	2354	9	HSU90716	HSU90716	Human cell
144	351.5	22.8	3363	9	AK125071	Sequence	217	207.5	13.4	2432	6	CQ731723	CQ731723	Sequence
145	325	21.0	712	6	CQ726679	Sequence	218	207.5	13.4	2434	6	AR157886	AR157886	Sequence
146	325	21.0	824	6	CQ780673	Sequence	219	207.5	13.4	2434	6	AX536150	AX536150	Sequence
147	325	21.0	824	6	CQ781567	Sequence	220	207.5	13.4	2434	6	AX658159	AX658159	Sequence
148	325	21.0	824	6	BD125382	Primer fo	221	207.5	13.4	2434	9	HS46KDA	Y07593	H.sapiens m
149	325	21.0	824	6	BD126276	Primer fo	222	207.5	13.4	2447	9	BC010536	BC010536	Homo sapi
150	280.5	18.2	2239	10	BC008528	Mus muscu	223	207.5	13.4	2537	9	BC003684	BC003684	Homo sapi

370	179	11.6	2229	6	AX097550	Sequence	443	176	11.4	1821	6	BD123533	BD123533	Secretory
371	179	11.6	2494	4	SSU08351	Sub scrofa	444	176	11.4	1821	9	AK075396	AK075396	Homo sapi
372	179	11.6	2691	6	AR222479	Sequence	445	176	11.4	1827	6	BD094115	BD094115	Shear str
373	179	11.6	2691	6	AX097546	Sequence	446	176	11.4	1838	9	AF361746	AF361746	Homo sapi
374	179	11.6	2885	6	AR222480	Sequence	447	176	11.4	1954	6	BD270057	BD270057	Secreted
375	179	11.6	2885	6	AX097548	Sequence	448	176	11.4	1964	6	I08158	I08158	Sequence 6
376	179	11.6	2888	6	CQ784032	Sequence	449	176	11.4	1964	6	I08168	I08168	Sequence 12
377	179	11.6	2888	6	BD127960	Primer fo	450	176	11.4	2107	6	I07278	I07278	Sequence 25
378	179	11.6	2888	9	AK074997	Homo sapi	451	176	11.4	10516	6	CQ789657	CQ789657	Sequence
379	179	11.6	3197	6	AX357960	Sequence	452	176	11.4	31839	9	AP000225	AP000225	Homo sapi
380	179	11.6	3197	6	AX357973	Sequence	453	176	11.4	100000	9	AP000087	AP000087	Homo sapi
381	179	11.6	3320	6	AX136363	Sequence	454	176	11.4	100000	9	AP000139	AP000139	Homo sapi
382	179	11.6	3320	6	BD123634	Secretory	455	176	11.4	148196	9	BS000106	BS000106	Pan trogl
383	179	11.6	3320	9	AK075549	Homo sapi	456	176	11.4	340000	9	AP001694	AP001694	Homo sapi
384	179	11.6	3472	6	CQ433979	Sequence	457	175.5	11.4	1173	6	AX191588	AX191588	Sequence
385	178.5	11.6	844	6	CQ789680	Sequence	458	175.5	11.4	1816	6	AX191598	AX191598	Sequence
386	178.5	11.6	2166	6	AR028457	Sequence	459	175.5	11.4	189276	9	AP006261	AP006261	Homo sapi
387	178.5	11.6	2451	9	AK128020	Homo sapi	460	175	11.3	180190	2	CR626902	CR626902	Danio rer
388	178.5	11.6	3260	9	HSRACD22	X59350 H.sapiens m	461	174.5	11.3	735	6	CQ789644	CQ789644	Sequence
389	178.5	11.6	3260	3	AF103899	Manduca s	462	174.5	11.3	1355	4	AY345127	AY345127	Bos tauru
390	178.5	11.6	4272	6	CQ715893	Sequence	463	174	11.3	1242	9	AY046418	AY046418	Homo sapi
391	178.5	11.6	5510	6	AX409111	Sequence	464	174	11.3	1257	6	AX955900	AX955900	Sequence
392	178.5	11.6	5510	9	D86983	Human mRNA	465	174	11.3	1299	6	CQ728323	CQ728323	Sequence
393	178.5	11.6	5626	3	AF103900	Manduca s	466	174	11.3	1542	6	BD193028	BD193028	207 human
394	178.5	11.6	6814	6	AR220825	Sequence	467	174	11.3	1542	6	CQ822024	CQ822024	Sequence
395	178.5	11.6	6847	9	AF200348	Homo sapi	468	174	11.3	1614	6	BD177640	BD177640	MBGP1 pol
396	178.5	11.6	6939	6	AX780120	Sequence	469	174	11.3	1614	6	E37854	E37854	MBGP1 polyp
397	178.5	11.6	6939	6	AX780121	Sequence	470	174	11.3	1614	6	AX003003	AX003003	Sequence
398	178.5	11.6	10615	6	CQ789682	Sequence	471	174	11.3	1680	9	BC033819	BC033819	Homo sapi
399	178.5	11.6	10615	6	CQ789683	Sequence	472	174	11.3	1685	6	BD175287	BD175287	Secretory
400	178	11.5	1194	6	BD062093	Alternati	473	174	11.3	1685	6	AR410665	AR410665	Sequence
401	178	11.5	1880	6	AX714170	Sequence	474	174	11.3	1685	6	AR439029	AR439029	Sequence
402	178	11.5	1880	9	AK056336	Homo sapi	475	174	11.3	1685	6	AR473049	AR473049	Sequence
403	178	11.5	2958	9	HSW801204	Sequence	476	174	11.3	1685	6	AX454458	AX454458	Sequence
404	178	11.5	10961	6	CQ789656	Sequence	477	174	11.3	1685	6	AX464214	AX464214	Sequence
405	177.5	11.5	1364	4	AY487416	Bos tauru	478	174	11.3	1685	6	AX490936	AX490936	Sequence
406	177.5	11.5	2107	6	BD015200	TiSa cel	479	174	11.3	1685	6	AX697492	AX697492	Sequence
407	177.5	11.5	2116	6	AR380711	Sequence	480	174	11.3	1685	6	BD075436	BD075436	Secretory
408	177.5	11.5	2116	9	HSCD22AG	X52785 H.sapiens C	481	174	11.3	1685	6	BD172296	BD172296	Secreted
409	177.5	11.5	3233	6	CQ721186	Sequence	482	174	11.3	1685	6	BD172615	BD172615	Secreted
410	177.5	11.5	3822	3	AF041053	Caenorhab	483	174	11.3	1685	6	BD172934	BD172934	Secreted
411	177.5	11.5	3870	6	AX714318	Sequence	484	174	11.3	1685	6	BD173253	BD173253	Secreted
412	177.5	11.5	3870	9	AK056557	Homo sapi	485	174	11.3	1685	9	AV358332	AV358332	Homo sapi
413	177	11.5	795	6	BD062091	Alternati	486	174	11.3	1718	6	BD247477	BD247477	Molecules
414	177	11.5	834	6	BD062092	Alternati	487	174	11.3	1718	6	AR278800	AR278800	Sequence
415	177	11.5	1833	6	CQ413276	Sequence	488	174	11.3	1820	6	BD247476	BD247476	Molecules
416	177	11.5	2249	6	CQ834032	Sequence	489	174	11.3	1820	6	AR278798	AR278798	Sequence
417	177	11.5	2249	9	BC005008	Homo sapi	490	174	11.3	2496	6	BD191411	BD191411	Secreted
418	177	11.5	2533	6	CQ800161	Sequence	491	174	11.3	2540	9	AF062733	AF062733	Homo sapi
419	177	11.5	2533	6	AX331130	Sequence	492	174	11.3	3557	9	AF363367	AF363367	Homo sapi
420	177	11.5	2533	6	AX335345	Sequence	493	173.5	11.2	1689	9	AB056375	AB056375	Macaca fa
421	177	11.5	2533	6	AX409638	Sequence	494	173.5	11.2	2527	9	HUMANTNCA	HUMANTNCA	Human nonsp
422	177	11.5	2533	9	HUMNCA	M18728 Human nonsp	495	173.5	11.2	4188	6	BD085986	BD085986	Method of
423	177	11.5	2534	6	E01972	DNA encodn	496	173.5	11.2	4355	6	CQ603804	CQ603804	Sequence
424	176.5	11.4	2690	6	CQ782802	Sequence	497	173.5	11.2	6440	3	AF040989	AF040989	Drosophil
425	176.5	11.4	2690	6	BD127321	Primer fo	498	173	11.2	921	5	CR352848	CR352848	Gallus ga
426	176.5	11.4	2690	9	AK074849	Homo sapi	499	173	11.2	1251	6	AX955898	AX955898	Sequence
427	176	11.4	1734	9	BC016868	Homo sapi	500	173	11.2	1419	6	AX497860	AX497860	Sequence
428	176	11.4	1813	6	BD175249	Secretory	501	173	11.2	1685	9	AK098396	AK098396	Homo sapi
429	176	11.4	1813	6	AR410627	Sequence	502	173	11.2	1883	10	AF346663	AF346663	Mus muscu
430	176	11.4	1813	6	AR438991	Sequence	503	173	11.2	2025	6	AX955915	AX955915	Sequence
431	176	11.4	1813	6	AR473011	Sequence	504	173	11.2	2258	10	BC004826	BC004826	Mus muscu
432	176	11.4	1813	6	AX076924	Sequence	505	173	11.2	2261	6	CQ841683	CQ841683	Sequence
433	176	11.4	1813	6	AX403754	Sequence	506	173	11.2	2261	9	AK122595	AK122595	Homo sapi
434	176	11.4	1813	6	AX464204	Sequence	507	173	11.2	2356	10	AF221507	AF221507	Mus muscu
435	176	11.4	1813	6	AX697447	Sequence	508	173	11.2	2471	9	HSW805001	HSW805001	Homo sapi
436	176	11.4	1813	6	BD075398	Secretory	509	173	11.2	3063	6	AR339353	AR339353	Sequence
437	176	11.4	1813	6	BD172258	Secreted	510	173	11.2	4521	9	AK024462	AK024462	Homo sapi
438	176	11.4	1813	6	BD172577	Secreted	511	173	11.2	4844	6	CQ728171	CQ728171	Sequence
439	176	11.4	1813	6	BD172896	Secreted	512	173	11.2	5130	9	AF230073	AF230073	Homo sapi
440	176	11.4	1813	6	BD173215	Secreted	513	172.5	11.2	1110	6	AR214133	AR214133	Sequence
441	176	11.4	1813	9	AX358382	Homo sapi	514	172.5	11.2	1869	6	AR214132	AR214132	Sequence
442	176	11.4	1821	6	AX136161	Sequence	515	172.5	11.2	6332	10	AX122223	AX122223	Mus muscu

516	172	11.1	1463	9	AK098838	AK098838 Homo sapi	589	169	10.9	1273	6	AR278799	AR278799 Sequence
517	172	11.1	2143	9	BC031063	BC031063 Homo sapi	590	169	10.9	1735	6	BD260118	BD260118 Matrix-re
518	172	11.1	2256	6	AK747900	AK747900 Sequence	591	169	10.9	2402	10	AB035511	AB035511 Mus muscu
519	172	11.1	2256	9	AK093069	AK093069 Homo sapi	592	169	10.9	2972	10	MMVCAM1A	X67783 M.musculus
520	172	11.1	2884	5	CR386716	CR386716 Gallus ga	593	169	10.9	3014	10	MUSVCAM1A	M84487 Mouse vascu
521	172	11.1	4086	9	AK128160	AK128160 Homo sapi	594	169	10.9	3252	10	BC011159	BC011159 Mus muscu
522	172	11.1	4822	6	CQ718773	CQ718773 Sequence	595	169	10.9	3366	10	AY059393	AY059393 Mus muscu
523	172	11.1	4542	6	E12950	E12950 cDNA GA3-43	596	169	10.9	3418	10	BC029823	BC029823 Mus muscu
524	172	11.1	4822	10	D78572	D78572 Mus musculus	597	169	10.9	4479	5	AF538326	AF538326 Danio rer
525	172	11.1	7872	9	AY273815	AY273815 Homo sapi	598	169	10.9	9645	5	AF245505	AF245505 Homo sapi
526	172	11.1	7876	6	AX592082	AX592082 Sequence	599	168.5	10.9	1349	5	BC077626	BC077626 Xenopus 1
527	172	11.1	8270	6	AX520922	AX520922 Sequence	600	168.5	10.9	1401	6	AR282743	AR282743 Sequence
528	172	11.1	8883	10	AY273816	AY273816 Rattus no	601	168.5	10.9	2229	6	CQ729908	CQ729908 Sequence
529	172	11.1	173270	9	AC024886	AC024886 Homo sapi	602	168.5	10.9	10232	10	AF525411	AF525411 Rattus no
530	172	11.1	221235	2	AC096965	AC096965 Rattus no	603	168.5	10.9	20435	9	HSAJ2535	AJ002535 Homo sapi
531	172	11.1	251435	2	AC128510	AC128510 Rattus no	604	168.5	10.9	166239	9	HS214G14	AL050303 Homo sapi
532	172	11.1	264547	2	AC094432	AC094432 Rattus no	605	168.5	10.9	184770	9	AP005670	AP005670 Homo sapi
533	171	11.1	1516	10	AY158088	AY158088 Mus muscu	606	168.5	10.9	273908	2	AL162851	AL162851 Homo sapi
534	171	11.1	1528	10	BF329485	BF329485 Mus muscu	607	168.5	10.9	340000	9	HS21C004	AL163204 Homo sapi
535	171	11.1	1593	10	BC055830	BC055830 Mus muscu	608	168.5	10.9	2243	6	AX747541	AX747541 Sequence
536	171	11.1	2404	6	CQ728038	CQ728038 Sequence	609	168	10.9	2267	9	AK092429	AK092429 Homo sapi
537	171	11.1	2436	9	HSM805023	AL833710 Homo sapi	610	168	10.9	2367	3	BT011127	BT011127 Drosophil
538	171	11.1	2500	6	CQ783752	CQ783752 Sequence	611	168	10.9	3302	3	AY060635	AY060635 Drosophil
539	171	11.1	2500	6	BD127814	BD127814 Primer fo	612	168	10.9	8577	6	CQ612483	CQ612483 Sequence
540	171	11.1	2500	9	AK074921	AK074921 Homo sapi	613	168	10.9	9295	6	CQ573225	CQ573225 Sequence
541	171	11.1	2659	10	AK129481	AK129481 Mus muscu	614	168	10.9	29470	3	CEP59F3	Z68005 Caenorhabdi
542	171	11.1	3662	6	BD175457	BD175457 Secretary	615	168	10.9	188751	10	AC122038	AC122038 Mus muscu
543	171	11.1	3662	6	AR410836	AR410836 Sequence	616	168	10.9	247498	10	AC135238	AC135238 Mus muscu
544	171	11.1	3662	6	AR439200	AR439200 Sequence	617	167.5	10.8	1140	6	AX665348	AX665348 Sequence
545	171	11.1	3662	6	AR439220	AR439220 Sequence	618	167.5	10.8	1302	4	AY345129	AY345129 Bos tauru
546	171	11.1	3662	6	AX098383	AX098383 Sequence	619	167.5	10.8	3894	6	BD085988	BD085988 Method of
547	171	11.1	3662	6	AX697698	AX697698 Sequence	620	167.5	10.8	5374	9	AF289030	AF289030 Homo sapi
548	171	11.1	3662	6	BD075606	BD075606 Secretary	621	167.5	10.8	6110	9	AF023449	AF023449 Homo sapi
549	171	11.1	3662	6	BD172466	BD172466 Secreted	622	167.5	10.8	6413	9	AF023450	AF023450 Homo sapi
550	171	11.1	3662	6	BD172785	BD172785 Secreted	623	167.5	10.8	6849	9	AF217525	AF217525 Homo sapi
551	171	11.1	3662	6	BD173104	BD173104 Secreted	624	167	10.8	712	4	AY649414	AY649414 Oryctolag
552	171	11.1	3662	6	BD173423	BD173423 Secreted	625	167	10.8	1189	9	HUMNCB	M29541 Human norma
553	171	11.1	3662	9	AY358295	AY358295 Homo sapi	626	167	10.8	4410	3	AY118274	AY118274 Drosophil
554	171	11.1	3707	10	BC065142	BC065142 Mus muscu	627	167	10.8	164239	9	BX072566	BX072566 Human DNA
555	171	11.1	3864	9	AY505340	AY505340 Homo sapi	628	166.5	10.8	1110	6	AX428991	AX428991 Sequence
556	171	11.1	3893	10	AY505341	AY505341 Mus muscu	629	166.5	10.8	1110	6	AX428991	AX428991 Sequence
557	171	11.1	4053	6	BD175459	BD175459 Secretary	630	166.5	10.8	1110	6	AX429015	AX429015 Sequence
558	171	11.1	4053	6	AR410838	AR410838 Sequence	631	166.5	10.8	1110	6	AX429016	AX429016 Sequence
559	171	11.1	4053	6	AR439202	AR439202 Sequence	632	166.5	10.8	1110	6	AX429018	AX429018 Sequence
560	171	11.1	4053	6	AR473222	AR473222 Sequence	633	166.5	10.8	1182	6	AR214136	AR214136 Sequence
561	171	11.1	4053	6	AX056647	AX056647 Sequence	634	166.5	10.8	1840	10	AF361882	AF361882 Mus muscu
562	171	11.1	4053	6	AX098387	AX098387 Sequence	635	166.5	10.8	1843	10	BC049249	BC049249 Mus muscu
563	171	11.1	4053	6	AX464218	AX464218 Sequence	636	166.5	10.8	1846	6	AR214135	AR214135 Sequence
564	171	11.1	4053	6	AX697702	AX697702 Sequence	637	166.5	10.8	1872	6	AX428990	AX428990 Sequence
565	171	11.1	4053	6	BD075608	BD075608 Secretary	638	166.5	10.8	1872	6	AX429011	AX429011 Sequence
566	171	11.1	4053	6	BD172468	BD172468 Secreted	639	166.5	10.8	1872	6	AX429012	AX429012 Sequence
567	171	11.1	4053	6	BD172787	BD172787 Secreted	640	166.5	10.8	1969	10	AF109160	AF109160 Mus muscu
568	171	11.1	4053	6	BD173106	BD173106 Secreted	641	166.5	10.8	3173	6	I08159	I08159 Sequence 8
569	171	11.1	4053	6	BD173425	BD173425 Secreted	642	166.5	10.8	3173	6	I08162	I08162 Sequence 1
570	171	11.1	4053	9	AY358288	AY358288 Homo sapi	643	166.5	10.8	3173	6	HSTM2CEA	X14831 Human mRNA
571	170.5	11.0	1110	4	AY487418	AY487418 Bos tauru	644	166	10.8	1410	10	AF282980	AF282980 Mus muscu
572	170.5	11.0	1311	4	AY487418	AY487418 Bos tauru	645	166	10.8	1552	10	BC064106	BC064106 Mus muscu
573	170.5	11.0	1831	6	AR220843	AR220843 Sequence	646	166	10.8	1552	6	CQ095169	CQ095169 Sequence
574	170.5	11.0	1831	6	AX073678	AX073678 Sequence	647	166	10.8	1552	6	CQ133915	CQ133915 Sequence
575	170.5	11.0	1872	6	AX429013	AX429013 Sequence	648	166	10.8	1552	6	CQ133915	CQ133915 Sequence
576	170.5	11.0	2377	10	AF195662	AF195662 Mus muscu	649	166	10.8	1952	6	CQ172446	CQ172446 Sequence
577	170.5	11.0	2964	10	BC029659	BC029659 Mus muscu	650	166	10.8	1952	6	CQ201614	CQ201614 Sequence
578	170.5	11.0	6267	10	AF315558	AF315558 Mus muscu	651	166	10.8	1952	6	CQ217152	CQ217152 Sequence
579	170.5	11.0	6592	6	CQ598305	CQ598305 Sequence	652	166	10.8	1952	6	CQ255729	CQ255729 Sequence
580	170.5	11.0	6656	10	AF334385	AF334385 Rattus no	653	166	10.8	1952	6	CQ292826	CQ292826 Sequence
581	170.5	11.0	6829	10	AY005483	AY005483 Mus muscu	654	166	10.8	1952	6	CQ329804	CQ329804 Sequence
582	169.5	11.0	2184	6	AR220920	AR220920 Sequence	655	166	10.8	2353	9	AX146870	AX146870 Sequence
583	169.5	11.0	3323	10	BC033313	BC033313 Mus muscu	656	166	10.8	2353	9	HSM800288	AL049946 Homo sapi
584	169.5	11.0	3493	3	APLXAMPD19	M89650 Aplysia cal	657	166	10.8	3551	3	AF074901	AF074901 Caenorhab
585	169.5	11.0	3788	5	CHKLGG	M63437 Chicken KLG	658	166	10.8	105000	9	BS000599	BS000599 Pan trogl
586	169.5	11.0	5387	6	CQ731799	CQ731799 Sequence	659	166	10.8	149752	9	AC004616	AC004616 Homo sapi
587	169.5	11.0	9412	3	DMU88578	DMU88578 Drosophila	660	166	10.8	173078	9	AC146249	AC146249 Pan trogl
588	169.5	11.0	168180	9	BS000002	BS000002 Pan trogl	661	166	10.8	216207	5	BX322647	BX322647 Zebrafish

c 662	166	10.8	264232	2	CR626890	CR626890 Danio rer	735	160.5	10.4	1325	9	BC050716	BC050716 Homo sapi
663	165.5	10.7	2550	5	BC062581	BC062581 Homo sapi	736	160.5	10.4	1806	6	AX662327	AX662327 Sequence
664	165.5	10.7	5067	9	AF304131	AF304131 Danio rer	737	160.5	10.4	3488	9	BC042432	BC042432 Homo sapi
665	165.5	10.7	5384	5	AF337036	AF337036 Danio rer	738	160.5	10.4	3698	10	AX169782	AX169782 Mus muscu
666	165.5	10.7	12699	5	D83390	D83390 Gallus gall	739	160.5	10.4	7928	6	AX039412	AX039412 Sequence
c 667	165.5	10.7	110000	2	BX284640_0	BX284640 Danio rer	740	160.5	10.4	8487	6	CQ717135	CQ717135 Sequence
668	165	10.7	930	6	E01971	E01971 DNA encodin	741	160.5	10.4	12255	5	AJ584653	AJ584653 Gallus ga
669	165	10.7	1035	9	BT009774	BT009774 Homo sapi	c 742	160.5	10.4	83495	5	AC087076	AC087076 Caenorhab
670	165	10.7	2059	10	AB035510	AB035510 Rattus no	c 743	160.5	10.4	125293	2	AC073582	AC073582 Homo sapi
671	165	10.7	2390	10	BC072479	BC072479 Rattus no	744	160	10.4	578	6	BD014251	BD014251 Method fo
672	165	10.7	46638	3	CEU33058	U33058 Caenorhabdi	745	160	10.4	1068	6	AX665344	AX665344 Sequence
673	165	10.7	65649	3	AF003131	AF003131 Caenorhab	746	160	10.4	1104	6	AX665346	AX665346 Sequence
674	165	10.7	96468	2	AC06902	AC06902 Caenorhab	747	160	10.4	2360	3	BT001877	BT001877 Drosophil
675	165	10.7	299719	2	AC006858	AC006858 Caenorhab	748	160	10.4	5392	9	AF369794	AF369794 Homo sapi
676	164.5	10.7	1290	4	AY487419	AY487419 Bos tauru	749	160	10.4	6435	5	AF461119	AF461119 Xenopus l
677	164.5	10.7	1343	4	AY487417	AY487417 Bos tauru	c 750	160	10.4	79405	10	AL928721	AL928721 Mouse DNA
678	164.5	10.7	1463	6	BD142336	BD142336 Novel den	751	160	10.4	173690	2	AC011307	AC011307 Homo sapi
679	164.5	10.7	1683	6	AX047068	AX047068 Sequence	752	160	10.4	178137	9	AC011302	AC011302 Homo sapi
680	164.5	10.7	1949	6	AX498584	AX498584 Sequence	c 753	160	10.4	199446	10	AC125069	AC125069 Mus muscu
681	164.5	10.7	2097	6	AX357962	AX357962 Sequence	c 754	160	10.4	202887	10	AL928789	AL928789 Mouse DNA
682	164.5	10.7	2181	6	BD142335	BD142335 Novel den	755	159.5	10.3	820	6	AX868324	AX868324 Sequence
683	164.5	10.7	2525	3	APLCAMD12	M89648 Aplysia cal	756	159.5	10.3	820	6	BD148386	BD148386 Primer fo
684	164.5	10.7	2605	4	CFU32086	U32086 Canis famil	757	159.5	10.3	960	6	AX955917	AX955917 Sequence
685	164.5	10.7	2725	3	APLCAMD15	M89649 Aplysia cal	758	159.5	10.3	1422	9	AY212514	AY212514 Homo sapi
686	164.5	10.7	4430	10	BC062892	BC062892 Mus muscu	759	159.5	10.3	2463	6	AX876990	AX876990 Sequence
687	164	10.6	868	6	CQ729109	CQ729109 Sequence	760	159.5	10.3	2463	6	BD156426	BD156426 Primer fo
688	164	10.6	939	6	AR439650	AR439650 Sequence	761	159.5	10.3	2463	9	AK001560	AK001560 Homo sapi
689	164	10.6	1032	6	AR439648	AR439648 Sequence	762	159.5	10.3	3373	5	AF461120	AF461120 Danio rer
690	164	10.6	1679	6	CQ768055	CQ768055 Sequence	763	159.5	10.3	5396	5	AF388036	AF388036 Xenopus l
691	164	10.6	1679	6	AX358872	AX358872 Sequence	764	159.5	10.3	7158	6	CQ714120	CQ714120 Sequence
692	164	10.6	1679	6	AX362365	AX362365 Sequence	765	159	10.3	1302	6	CQ591387	CQ591387 Sequence
693	164	10.6	1679	6	AX403748	AX403748 Sequence	766	159	10.3	1562	10	CPU73589	U73589 Cavia porce
694	164	10.6	1679	6	AX454470	AX454470 Sequence	767	159	10.3	1562	10	BC023307	BC023307 Mus muscu
695	164	10.6	1679	6	AX484242	AX484242 Sequence	768	159	10.3	1815	10	AY089628	AY089628 Drosophil
696	164	10.6	1679	6	AX490948	AX490948 Sequence	769	159	10.3	3678	3	BT014656	BT014656 Drosophil
697	164	10.6	1679	9	AY358331	AY358331 Homo sapi	770	159	10.3	4496	6	CQ715482	CQ715482 Sequence
698	164	10.6	1693	6	AR439649	AR439649 Sequence	771	159	10.3	5667	3	CQ606753	CQ606753 Sequence
699	164	10.6	1839	6	AX665342	AX665342 Sequence	772	159	10.3	23640	3	AB079867	AB079867 Bombyx mo
700	164	10.6	1839	9	AF126426	AF126426 Homo sapi	773	159	10.3	158465	3	AC068446	AC068446 Homo sapi
701	164	10.6	3770	5	BC073488	BC073488 Xenopus l	774	159	10.3	159777	3	AB090308	AB090308 Bombyx mo
702	164	10.6	4833	3	AK125056	AK125056 Homo sapi	775	159	10.3	172293	9	AC060814	AC060814 Homo sapi
703	163.5	10.6	3252	3	AF188751	AF188751 Caenorhab	776	158.5	10.3	1400	6	AX400042	AX400042 Sequence
704	163.5	10.6	4901	9	HSMB03665	AL832357 Homo sapi	777	158.5	10.3	1518	10	CPU73590	U73590 Cavia porce
705	163.5	10.6	7100	3	AF205357	AF205357 Drosophil	778	158.5	10.3	2934	9	AF397453	AF397453 Homo sapi
706	163	10.6	152024	2	CR407703	CR407703 Danio rer	779	158.5	10.3	4326	9	AK090423	AK090423 Homo sapi
707	162.5	10.5	1932	6	BD205661	BD205661 97 human	780	158.5	10.3	5321	9	AF3780466	AF3780466 Sequence
708	162.5	10.5	3531	6	CQ735712	CQ735712 Sequence	781	158.5	10.3	5321	9	AF343664	AF343664 Homo sapi
709	162.5	10.5	3798	10	AF388037	AF388037 Mus muscu	782	158.5	10.3	162400	9	AC012414	AC012414 Homo sapi
710	162.5	10.5	4171	10	BC060226	BC060226 Mus muscu	783	158	10.2	3810	10	AF531873	AF531873 Mus muscu
711	162.5	10.5	4376	10	BC078631	BC078631 Mus muscu	784	158	10.2	3853	3	DRONRGNA	M28231 Drosophila
712	162.5	10.5	5103	6	AX339250	AX339250 Sequence	785	158	10.2	4041	6	CQ573942	CQ573942 Sequence
713	162.5	10.5	6645	10	AK131182	AK131182 Mus muscu	786	158	10.2	4256	10	BC076578	BC076578 Mus muscu
714	162.5	10.5	35347	3	CET09B9	247070 Caenorhabdi	787	158	10.2	4433	9	AY058284	AY058284 Drosophil
715	162	10.5	1256	10	BC048589	BC048589 Mus muscu	788	158	10.2	4479	3	HSTAG1	X68274 Homo sapien
716	162	10.5	1837	10	BC079093	BC079093 Rattus no	789	158	10.2	4548	6	AR453309	AR453309 Sequence
717	162	10.5	2895	5	AY029403	AY029403 Danio rer	790	158	10.2	4548	6	AX305052	AX305052 Sequence
718	162	10.5	8331	3	AF529179	AF529179 Drosophil	791	158	10.2	4548	9	HSTAGIA	X67734 H.sapiens m
719	162	10.5	8637	3	AF529180	AF529180 Drosophil	792	158	10.2	8574	3	DMNRG2	AF050085 Drosophil
c 720	162	10.5	39158	3	CBRG19K24	AC087734 Caenorhab	793	158	10.2	20510	6	CQ573941	CQ573941 Sequence
721	161.5	10.5	1281	4	AY345130	AY345130 Bos tauru	c 794	158	10.2	71320	2	AC020124	AC020124 Drosophil
722	161.5	10.5	1334	4	AY345128	AY345128 Bos tauru	c 795	158	10.2	77635	2	DMBR40010	AL122024 Drosophil
723	161.5	10.5	3316	6	CQ841586	CQ841586 Sequence	c 796	158	10.2	174367	3	AC023696	AC023696 Drosophil
724	161.5	10.5	3316	9	AK122611	AK122611 Homo sapi	797	158	10.2	185405	3	AC023743	AC023743 Drosophil
725	161	10.4	1103	6	A43167	A43167 Sequence 33	798	158	10.2	299686	3	AE003444	AE003444 Drosophil
726	161	10.4	1103	6	AR079552	AR079552 Sequence	799	157.5	10.2	863	5	BX355847	BX355847 Gallus ga
727	161	10.4	2348	4	AB052747	AB052747 Bos tauru	800	157.5	10.2	1338	6	BD190112	BD190112 Polypteti
728	161	10.4	2610	4	AB052746	AB052746 Bos tauru	801	157.5	10.2	2199	10	MUSHERPVR	M96934 Mus musculu
729	161	10.4	3159	6	E34510	E34510 Novel rpoA.	802	157.5	10.2	2178	5	AB008162	AB008162 Xenopus l
730	161	10.4	3159	6	E34512	E34512 Novel ratiA.	803	157.5	10.2	2416	9	AY043466	AY043466 Homo sapi
731	161	10.4	3159	6	E34514	E34514 Novel utili	804	157.5	10.2	2514	9	AF416902	AF416902 Homo sapi
732	161	10.4	3159	6	E34516	E34516 Human lIG-1	805	157.5	10.2	2582	6	AX835207	AX835207 Sequence
733	161	10.4	198186	2	BX324206	BX324206 Danio rer	806	157.5	10.2	2582	9	AK098122	AK098122 Homo sapi
c 734	161	10.4	255090	2	AC073798	AC073798 Mus muscu	807	157.5	10.2	2687	9	BC028933	BC028933 Homo sapi

808	157.5	10.2	2704	9	AF416905	AF416905 Homo sapi	881	155	10.0	2040	10	RNU16845	U16845 Rattus norv
809	157.5	10.2	2799	9	AF416901	AF416901 Homo sapi	882	155	10.0	2492	3	AB076894	AB076894 Ciona int
810	157.5	10.2	2879	5	BC075300	BC075300 Xenopus t	883	155	10.0	3340	9	HSV7LSP	Z33642 H.sapiens v
811	157.5	10.2	2970	9	AF459027	AF459027 Homo sapi	884	155	10.0	4050	9	BC047244	BC047244 Homo sapi
812	157.5	10.2	3033	9	AF416904	AF416904 Homo sapi	885	155	10.0	4290	9	BC014205	BC014205 Homo sapi
813	157.5	10.2	3384	6	AX714308	AX714308 Sequence	886	154.5	10.0	851	5	BX932255	BX932255 Gallus ga
814	157.5	10.2	3384	9	AK056544	AK056544 Homo sapi	887	154.5	10.0	1493	6	AR073578	AR073578 Sequence
815	157.5	10.2	3412	10	AY495696	AY495696 Rattus no	888	154.5	10.0	1493	6	AR372092	AR372092 Sequence
816	157.5	10.2	3485	10	AF016619	AF016619 Mus muscu	889	154.5	10.0	1828	5	BC044959	BC044959 Xenopus l
817	157.5	10.2	3488	10	AF001287	AF001287 Mus muscu	890	154.5	10.0	2106	5	BC067681	BC067681 Danio rer
818	157.5	10.2	3520	9	HSB804704	AL833391 Homo sapi	891	154.5	10.0	2544	10	BC011310	BC011310 Mus muscu
819	157.5	10.2	3720	5	XELNCAM	M25696 X.lauevis ne	892	154.5	10.0	4044	9	BC002377	BC002377 Homo sapi
820	157.5	10.2	3958	9	AF531872	AF531872 Homo sapi	893	154.5	10.0	4044	9	BC014626	BC014626 Homo sapi
821	157.5	10.2	3971	5	CHKCONNE	D16541 Gallus gall	894	154.5	10.0	5586	6	CQ729937	CQ729937 Sequence
822	157.5	10.2	4191	6	CQ789354	CQ789354 Sequence	895	154.5	10.0	5824	6	AR338581	AR338581 Sequence
823	157.5	10.2	4191	9	AF531868	AF531868 Homo sapi	896	154.5	10.0	6729	9	AF304304	AF304304 Homo sapi
824	157.5	10.2	4191	9	HSU40271	UA0271 Homo sapien	897	154.5	10.0	6811	9	AF334384	AF334384 Homo sapi
825	157.5	10.2	4193	6	CQ715771	CQ715771 Sequence	898	154.5	10.0	6834	9	AB032958	AB032958 Homo sapi
826	157.5	10.2	4238	9	BC071557	BC071557 Homo sapi	899	154.5	10.0	6860	5	AF304130	AF304130 Danio rer
827	157.5	10.2	4249	10	AY495695	AY495695 Rattus no	900	154.5	10.0	6899	9	AF491813	AF491813 Homo sapi
828	157.5	10.2	4723	9	HSU75330	U75330 Human neutra	901	154	10.0	830	5	BX933439	BX933439 Gallus ga
829	157.5	10.2	4821	10	AF001286	AF001286 Mus muscu	902	154	10.0	1115	3	AK114759	AK114759 Ciona int
830	157.5	10.2	13793	9	HSBMHSP	X62515 H.sapiens m	903	154	10.0	1487	6	AX329577	AX329577 Sequence
831	157.5	10.2	105350	2	AP000661	AP000661 Homo sapi	904	154	10.0	1487	9	HUMEGP	D12502 Homo sapien
832	157.5	10.2	117345	9	AP001775	AP001775 Homo sapi	905	154	10.0	2095	6	AX833890	AX833890 Sequence
833	157.5	10.2	172255	9	AC136352	AC136352 Homo sapi	906	154	10.0	2095	9	AK096002	AK096002 Homo sapi
834	157.5	10.2	187235	2	AP001785	AP001785 Homo sapi	907	154	10.0	2232	10	RNVCAM1R	X63722 R.norvegicu
835	157.5	10.2	196928	2	AP000847	AP000847 Homo sapi	908	154	10.0	2489	3	AK115675	AK115675 Ciona int
836	157	10.2	1198	5	EX935151	EX935151 Gallus ga	909	154	10.0	2633	6	AR380405	AR380405 Sequence
837	157	10.2	1952	6	AX834946	AX834946 Sequence	910	154	10.0	2633	9	HSU63041	U63041 Human neutra
838	157	10.2	1952	9	AK097667	AK097667 Homo sapi	911	154	10.0	2799	9	HSNCAME	X16841 Human mRNa
839	157	10.2	4306	9	AK124736	AK124736 Homo sapi	912	154	10.0	2960	6	AX658287	AX658287 Sequence
840	157	10.2	4398	5	D85084	D85084 Cynops pyrr	913	154	10.0	2960	9	S71824	S71824 N-CAM=145 k
841	157	10.2	7424	5	AF537107	AF537107 Gallus ga	914	154	10.0	3007	10	RATVCAM1B	M84488 Rat vascula
842	156.5	10.1	888	6	CQ581127	CQ581127 Sequence	915	154	10.0	3266	6	CQ728451	CQ728451 Sequence
843	156.5	10.1	925	10	AY158089	AY158089 Mus muscu	916	154	10.0	3309	6	AX714869	AX714869 Sequence
844	156.5	10.1	1746	6	CQ728058	CQ728058 Sequence	917	154	10.0	3309	9	AK057509	AK057509 Homo sapi
845	156.5	10.1	2337	9	AF480410	AF480410 Homo sapi	918	154	10.0	4023	9	AF129167	AF129167 Chloroceb
846	156.5	10.1	2797	6	AX780464	AX780464 Sequence	919	154	10.0	4236	9	HSU33635	U33635 Human colon
847	156.5	10.1	2797	9	AF343662	AF343662 Homo sapi	920	154	10.0	4573	10	AF004840	AF004840 Rattus no
848	156.5	10.1	2857	10	BC044882	BC044882 Mus muscu	921	154	10.0	5807	6	AR447684	AR447684 Sequence
849	156.5	10.1	3631	6	BD170702	BD170702 NF-kappa	922	154	10.0	8513	6	AX207284	AX207284 Sequence
850	156.5	10.1	3808	6	BD185197	BD185197 Novel gen	923	154	10.0	29002	3	AF078787	AF078787 Caenorhab
851	156.5	10.1	3808	9	AB058770	AB058770 Homo sapi	924	153.5	9.9	1825	10	AF487345	AF487345 Mus muscu
852	156.5	10.1	4569	9	AY509035	AY509035 Homo sapi	925	153.5	9.9	2287	6	MMNCAMRI	X15049 Mouse commo
853	156.5	10.1	6374	6	AX497861	AX497861 Sequence	926	153.5	9.9	2287	6	AR380671	AR380671 Sequence
854	156.5	10.1	6999	9	AY310398	AY310398 Homo sapi	927	153.5	9.9	2287	9	HUMNCAM	D90084 Homo sapien
855	156	10.1	1339	6	I08161	I08161 Sequence 12	928	153.5	9.9	2287	9	HUMNCAX	M33326 Human nosp
856	156	10.1	1339	6	I08161	I08161 Sequence 5	929	153.5	9.9	2487	6	I79974	I79974 Sequence 1
857	156	10.1	2685	6	CQ728740	CQ728740 Sequence	930	153.5	9.9	2811	10	AF487347	AF487347 Mus muscu
858	156	10.1	3087	10	AB032602	AB032602 Mus muscu	931	153.5	9.9	3084	4	AY212510	AY212510 Oryctolag
859	156	10.1	3613	10	BC076594	BC076594 Mus muscu	932	153.5	9.9	3461	6	CQ591386	CQ591386 Sequence
860	156	10.1	4054	3	MSU50719	U50719 Manduca sex	933	153.5	9.9	3574	4	BTADCYC	X16451 Bovine mRNa
861	156	10.1	5038	10	BC056988	BC056988 Mus muscu	934	153.5	9.9	3650	10	AF182037	AF182037 Rattus no
862	156	10.1	5040	10	RATTAG1	M31725 Rat axonal	935	153.5	9.9	4956	5	BC044084	BC044084 Xenopus l
863	156	10.1	5749	9	AK090455	AK090455 Homo sapi	936	153.5	9.9	5303	9	BC071561	BC071561 Homo sapi
864	156	10.1	41345	3	CEP15G9	Z47068 Caenorhabdi	937	153.5	9.9	173633	3	AC007475	AC007475 Drosophil
865	156	10.1	46996	3	U88310	U88310 Caenorhabdi	938	153.5	9.9	192763	3	AC007474	AC007474 Drosophil
866	156	10.1	294136	2	AC006901	AC006901 Caenorhab	939	153.5	9.9	194634	2	AC020286	AC020286 Drosophil
867	155.5	10.1	1580	5	CR354352	CR354352 Gallus ga	940	153.5	9.9	292919	3	AE003823	AE003823 Drosophil
868	155.5	10.1	1638	10	MMBQPF	X67281 M.musculus	941	153	9.9	942	5	BX932243	BX932243 Gallus ga
869	155.5	10.1	1766	6	CQ731700	CQ731700 Sequence	942	153	9.9	2352	6	AR030849	AR030849 Sequence
870	155.5	10.1	2943	10	AY167411	AY167411 Rattus no	943	153	9.9	3218	5	D86505	D86505 Xenopus lae
871	155.5	10.1	3098	10	MMFGFR4M	X59927 M.musculus	944	153	9.9	3218	5	D86505	D86505 Xenopus lae
872	155.5	10.1	3170	10	RNNCAM14	X06564 Rat mRNa fo	945	153	9.9	3413	10	D87248	D87248 Rattus norv
873	155.5	10.1	3414	5	XLU39671	U39671 Xenopus lae	946	153	9.9	3562	6	AX179302	AX179302 Sequence
874	155.5	10.1	3619	9	BC052946	BC052946 Homo sapi	947	153	9.9	3783	6	AR177819	AR177819 Sequence
875	155.5	10.1	4613	5	CHKCRYP	L32780 Gallus gall	948	153	9.9	3783	9	MMNCAM1	X12875 Mouse mRNa
876	155.5	10.1	5171	5	BC060500	BC060500 Xenopus l	949	153	9.9	4014	6	AX397397	AX397397 Sequence
877	155.5	10.1	5406	9	HSB807786	EX647640 Homo sapi	950	153	9.9	4017	6	AX481481	AX481481 Sequence
878	155.5	10.1	13149	6	CQ728817	CQ728817 Sequence	951	153	9.9	4017	9	AF063657	AF063657 Homo sapi
879	155	10.0	900	3	AF236641	AF236641 Spodopter	952	153	9.9	7680	6	AR489880	AR489880 Sequence
880	155	10.0	1614	5	BX932396	BX932396 Gallus ga	953	153	9.9	7680	6	AX926525	AX926525 Sequence

954	153	9.9	7680	6	AX951778 Sequence	AX951778 Sequence	c1027	151	9.8	6228	2	AC020270	AC020270 Drosophil
955	153	9.9	7680	6	AX960056 Sequence	AX960056 Sequence	1028	151	9.8	84246	3	AC002512	AC002512 Drosophil
956	153	9.9	7680	9	HSFLT3	X51602 Human flt m	c1029	151	9.8	110000	3	AE001572_2	Continuation [3 of
957	152.5	9.9	1640	9	BC033803	BC033803 Homo sapi	c1030	151	9.8	143593	5	BX248311	BX248311 Zebrafish
958	152.5	9.9	1708	9	AK025940	AK025940 Homo sapi	1031	151	9.8	170801	3	AC095014	AC095014 Drosophil
959	152.5	9.9	2091	6	A30922	A30922 VCAM varian	1032	151	9.8	298020	3	AE003674	AE003674 Drosophil
C 960	152.5	9.9	2091	6	A30924	A30924 VCAM varian	1033	150.5	9.7	811	9	HUMCGM2A	L31792 Homo sapien
C 961	152.5	9.9	2220	6	A30919	A30919 VCAM varian	1034	150.5	9.7	861	6	AR030581	AR030581 Sequence
C 962	152.5	9.9	2220	6	A30921	A30921 VCAM varian	1035	150.5	9.7	924	6	AR030579	AR030579 Sequence
963	152.5	9.9	2226	6	CQ716446	CQ716446 Sequence	1036	150.5	9.7	1362	6	CQ719636	CQ719636 Sequence
964	152.5	9.9	3444	5	XLJ039670	XLJ039670 Sequence	1037	150.5	9.7	1364	9	HSCGMGMR	X52378 Human CGM6
965	152.5	9.9	3590	3	BT003528	BT003528 Drosophil	1038	150.5	9.7	1757	6	AX704805	AX704805 Sequence
966	152.5	9.9	4398	5	BC073282	BC073282 Xenopus l	1039	150.5	9.7	2291	6	CQ720042	CQ720042 Sequence
967	152.5	9.9	5201	3	AF275903	AF275903 Drosophil	1040	150.5	9.7	2292	6	CQ834033	CQ834033 Sequence
968	152.5	9.9	14327	3	HUMHSPG2B	M85289 Human hepar	1041	150.5	9.7	2292	6	AX330315	AX330315 Sequence
969	152.5	9.9	220847	2	AC150422	AC150422 Branchios	1042	150.5	9.7	2292	6	AX926599	AX926599 Sequence
970	152	9.8	912	6	AR030578	AR030578 Sequence	1043	150.5	9.7	2292	6	AX926648	AX926648 Sequence
971	152	9.8	977	6	AR030574	AR030574 Sequence	1044	150.5	9.7	2292	9	HSCGM2ANT	X98311 H.sapiens m
972	152	9.8	977	6	AR220257	AR220257 Sequence	1045	150.5	9.7	2297	6	CQ834034	CQ834034 Sequence
973	152	9.8	1017	9	HSU41901	U41901 Human limbi	1046	150.5	9.7	2297	9	BC026263	BC026263 Homo sapi
974	152	9.8	1195	6	AR447794	AR447794 Sequence	1047	150.5	9.7	2292	10	MMBGGPD	X67279 M.musculus
975	152	9.8	2732	3	HVU241116	U241116 Hydra vulga	1048	150.5	9.7	4640	3	DMSTRK	X63453 D.melanogas
976	152	9.8	3189	6	AR081017	AR081017 Sequence	1049	150.5	9.7	4724	10	RATTPRHOS	L19933 Rattus norv
977	152	9.8	3534	9	AY027658	AY027658 Homo sapi	1050	150.5	9.7	5383	10	RATLARPTPB	L12329 Rat leukocy
978	152	9.8	3768	9	AB102653	AB102653 Homo sapi	1051	150.5	9.7	5690	6	AR060681	AR060681 Sequence
979	152	9.8	3768	9	AB102654	AB102654 Pan trogl	1052	150.5	9.7	5690	6	AR064169	AR064169 Sequence
980	152	9.8	3774	6	AR036493	AR036493 Sequence	1053	150.5	9.7	7297	5	AF197945	L11587 Rat leukocy
981	152	9.8	3774	6	AR081015	AR081015 Sequence	1054	150.5	9.7	7297	5	AF197945	AF197945 Xenopus l
982	152	9.8	3774	6	AR081016	AR081016 Sequence	1055	150.5	9.7	7855	5	AX122586	AX122586 Homo sapi
983	152	9.8	3888	6	AR177813	AR177813 Sequence	1056	150	9.7	1119	5	BX935530	BX935530 Gallus ga
984	152	9.8	3888	9	HUML1CAM	M74387 Human cell	1057	150	9.7	1129	5	AF337034	AF337034 Danio rer
985	152	9.8	3967	5	GDAXONTN	X63101 G.domesticu	1058	150	9.7	1846	9	AX358130	AX358130 Homo sapi
986	152	9.8	4002	9	BC075829	BC075829 Homo sapi	1059	150	9.7	2019	6	AX505112	AX505112 Sequence
987	152	9.8	4277	6	AX376372	AX376372 Sequence	1060	150	9.7	2031	6	I67748	I67748 Sequence 2
988	152	9.8	4277	6	AX454572	AX454572 Sequence	1061	150	9.7	2031	6	I67748	I67748 Sequence 2
989	152	9.8	4277	6	AX491050	AX491050 Sequence	1062	150	9.7	2059	6	AX805534	AX805534 Sequence
990	152	9.8	4277	6	AX696989	AX696989 Sequence	1063	150	9.7	2097	6	A43169	A43169 Sequence 35
991	152	9.8	4277	6	AX358328	AX358328 Homo sapi	1064	150	9.7	2097	6	AR079553	AR079553 Sequence
992	152	9.8	4522	6	CQ728130	M77640 Homo sapien	1065	150	9.7	2109	6	AX133977	AX133977 Sequence
993	152	9.8	4523	9	HUM1GLIA	U07644 Gallus gall	1066	150	9.7	2109	6	AX468838	AX468838 Sequence
994	152	9.8	4784	5	GDU07644	U07644 Gallus gall	1067	150	9.7	2140	6	AX805538	AX805538 Sequence
995	152	9.8	4901	9	HSMB07328	BX647184 Homo sapi	1068	150	9.7	2167	6	AX805536	AX805536 Sequence
996	152	9.8	6096	9	AF304305	AF304305 Homo sapi	1069	150	9.7	2220	6	AR044683	AR044683 Sequence
C 997	152	9.8	226395	2	BX908759	BX908759 Danio rer	1070	150	9.7	2349	6	AR052808	AR052808 Sequence
998	151.5	9.8	1465	10	MMBGE	X67280 M.musculus	1071	150	9.7	2349	6	AR288121	AR288121 Sequence
999	151.5	9.8	2583	10	MMNCAMR	Y00051 Mouse mRNA	1072	150	9.7	2350	11	BV177759	BV177759 sqm96580
1000	151.5	9.8	2726	5	AY029402	AY029402 Danio rer	1073	150	9.7	2434	6	AR052807	AR052807 Sequence
1001	151.5	9.8	2817	9	AF416903	AF416903 Homo sapi	1074	150	9.7	2434	6	AR288120	AR288120 Sequence
1002	151.5	9.8	3346	6	CQ728965	CQ728965 Sequence	1075	150	9.7	2573	9	AY043465	AY043465 Homo sapi
1003	151.5	9.8	3442	6	BD190857	BD190857 Secretd	1076	150	9.7	2580	9	AF459633	AF459633 Homo sapi
1004	151.5	9.8	3530	9	AB003592	AB003592 Homo sapi	1077	150	9.7	2706	6	BD205181	BD205181 Human nuc
1005	151.5	9.8	4645	6	CQ591393	CQ591393 Sequence	1078	150	9.7	2706	6	AX014001	AX014001 Sequence
1006	151.5	9.8	4775	3	BT015249	BT015249 Drosophil	1079	150	9.7	2839	6	I08156	I08156 Sequence 2
1007	151.5	9.8	5076	6	CQ728676	CQ728676 Sequence	1080	150	9.7	2839	6	I08166	I08166 Sequence 8
1008	151.5	9.8	5095	5	BC072368	BC072368 Xenopus l	1081	150	9.7	2888	9	BC034671	BC034671 Homo sapi
1009	151.5	9.8	12667	10	MUSPERPA	M77174 Mouse perle	1082	150	9.7	2888	6	E01630	E01630 CDNA encodi
1010	151	9.8	1110	6	CQ575874	CQ575874 Sequence	1083	150	9.7	2828	6	E13123	E13123 Human gene
1011	151	9.8	1533	5	FFNINH55A	Y08170 Gallus gall	1084	150	9.7	2929	9	HUMCEA	M15042 Human carci
1012	151	9.8	1556	5	AF292934	AF292934 Gallus ga	1085	150	9.7	2974	6	CQ833969	CQ833969 Sequence
1013	151	9.8	1563	3	AY051911	AY051911 Drosophil	1086	150	9.7	2974	6	AX332574	AX332574 Sequence
1014	151	9.8	1719	5	BX950396	BX950396 Gallus ga	1087	150	9.7	2974	6	AX409670	AX409670 Sequence
1015	151	9.8	1962	10	AK131121	AK131121 Mus muscu	1088	150	9.7	2974	6	AX58324	AX58324 Sequence
1016	151	9.8	2135	3	DROMA	M23561 D.melanogas	1089	150	9.7	2974	6	AX677147	AX677147 Sequence
1017	151	9.8	2355	6	AX827415	AX827415 Sequence	1090	150	9.7	2974	6	AX805532	AX805532 Sequence
1018	151	9.8	2355	10	D38468	D38468 Rattus norv	1091	150	9.7	2974	9	HUMCEAF	M29540 Human carci
1019	151	9.8	2687	3	DME312133	AJ312133 Drosophil	1092	150	9.7	3036	6	CQ800159	CQ800159 Sequence
C1020	151	9.8	3426	6	CQ575873	CQ575873 Sequence	1093	150	9.7	3036	9	HUMANTCE	M17303 Human carci
1021	151	9.8	4189	10	AF317839	AF317839 Mus muscu	1094	150	9.7	3068	10	BC066106	BC066106 Mus muscu
1022	151	9.8	4230	10	BC040281	BC040281 Mus muscu	1095	150	9.7	20448	6	CQ599466	CQ599466 Sequence
1023	151	9.8	4435	5	AF388035	AF388035 Xenopus l	c1096	150	9.7	24971	6	CQ599465	CQ599465 Sequence
1024	151	9.8	4579	3	DME312134	AJ312134 Drosophil	c1097	150	9.7	36859	3	U80022	U80022 Caenorhabdi
1025	151	9.8	5099	3	DME312135	AJ312135 Drosophil	c1098	150	9.7	53757	2	AC017325	AC017325 Drosophil
1026	151	9.8	5194	3	BT010247	BT010247 Drosophil	1099	150	9.7	70398	3	DME271740	AJ271740 Drosophil

1100	150	9.7	126899	3	AY130758	AV130758 Caenorhab	1173	9.6	795	6	CQ781636	CQ781636 Sequence
c1101	150	9.7	144056	2	AC091222	AC091222 Drosophil	1174	9.6	795	6	BD126345	BD126345 Primer fo
1102	150	9.7	185967	3	BX640499	BX640499 Danio rer	1175	9.6	950	3	AY052156	AY052156 Drosophil
1103	150	9.7	194006	3	AC010063	AC010063 Drosophil	1176	9.6	950	3	AY052157	AY052157 Drosophil
c1104	150	9.7	315108	3	AE003473	AE003473 Drosophil	1177	9.6	950	3	AY052158	AY052158 Drosophil
1105	149.5	9.7	1173	6	CQ720045	CQ720045 Sequence	1178	9.6	950	3	AY052159	AY052159 Drosophil
1106	149.5	9.7	1376	10	MUSCEAR	L49180 Mus musculu	1179	9.6	950	3	AY052160	AY052160 Drosophil
1107	149.5	9.7	2116	6	AX058616	AX058616 Sequence	1180	9.6	950	3	AY052161	AY052161 Drosophil
1108	149.5	9.7	2178	5	AB008163	AB008163 Xenopus l	1181	9.6	950	3	AY052162	AY052162 Drosophil
1109	149.5	9.7	2706	10	MUSPTPT9A	D28531 Mouse mRNA	1182	9.6	950	3	AY052163	AY052163 Drosophil
1110	149.5	9.7	2910	9	HSMB04360	AL833049 Homo sapi	1183	9.6	1522	9	HSMB05355	AL834140 Homo sapi
1111	149.5	9.7	3231	6	CQ724644	CQ724644 Sequence	1184	9.6	2539	6	CQ782770	CQ782770 Sequence
1112	149.5	9.7	4071	9	AF531869	AF531869 Homo sapi	1185	9.6	2539	6	BD127305	BD127305 Primer fo
1113	149.5	9.7	4325	9	AK024459	AK024459 Homo sapi	1186	9.6	2539	9	AK074825	AK074825 Homo sapi
1114	149.5	9.7	4325	9	AK024479	AK024479 Homo sapi	1187	9.6	2728	6	CQ413817	CQ413817 Sequence
1115	149.5	9.7	5588	10	BC052462	BC052462 Mus muscu	1188	9.6	3328	6	CQ728001	CQ728001 Sequence
1116	149.5	9.7	5978	10	MB052462	X82288 M.musculus	1189	9.6	3366	9	AK123606	AK123606 Homo sapi
1117	149.5	9.7	6734	6	AX305472	AX305472 Sequence	1190	9.6	3446	9	HSMB04897	HSMB04897 Homo sapi
1118	149.5	9.7	6734	10	MUSPTPT9	D28530 Mouse mRNA	1191	9.6	3682	9	AB013803	AB013803 Homo sapi
1119	149	9.7	700	5	BX934710	BX934710 Gallus ga	1192	9.6	3904	9	AB013802	AB013802 Homo sapi
1120	149	9.7	759	9	AY072912	AY072912 Homo sapi	1193	9.6	4015	6	CQ726266	CQ726266 Sequence
1121	149	9.7	1314	6	CQ733647	CQ733647 Sequence	1194	9.6	4015	9	AB018349	AB018349 Homo sapi
1122	149	9.7	2110	3	DROLACH	IL3255 Fruitfly la	1195	9.6	4232	9	AK128714	AK128714 Homo sapi
1123	149	9.7	2110	6	BD175482	BD175482 Secretary	1196	9.6	4422	9	AF343663	AF343663 Homo sapi
1124	149	9.7	2110	6	AR410862	AR410862 Sequence	1197	9.6	4422	9	AF343663	AF343663 Homo sapi
1125	149	9.7	2110	6	AR439226	AR439226 Sequence	1198	9.6	5381	3	AF312579	AF312579 Drosophil
1126	149	9.7	2110	6	AR473246	AR473246 Sequence	1199	9.6	6922	10	MMU17793	Y17793 Mus musculu
1127	149	9.7	2110	6	AX080784	AX080784 Sequence	1200	9.6	102624	2	AC116905	AC116905 Homo sapi
1128	149	9.7	2110	6	AX464244	AX464244 Sequence	1201	9.6	3400	5	FSCTRKA	L11311 Torpedo cal
1129	149	9.7	2110	6	AX697728	AX697728 Sequence	1202	9.6	3814	5	XELNCMA	M76710 Xenopus lae
1130	149	9.7	2110	6	BD075631	BD075631 Secretary	1203	9.6	5449	9	HSMB07783	BX647637 Homo sapi
1131	149	9.7	2110	6	BD172491	BD172491 Secreted	1204	9.6	5607	9	HUMVCAM1A	M73255 Human vascu
1132	149	9.7	2110	6	BD172810	BD172810 Secreted	1205	9.6	5707	9	AF328296	AF328296 Homo sapi
1133	149	9.7	2110	6	BD173129	BD173129 Secreted	1206	9.6	5754	9	HSMB05275	AL834247 Homo sapi
1134	149	9.7	2110	6	BD173448	BD173448 Secreted	1207	9.5	1188	6	AX191609	AX191609 Sequence
1135	149	9.7	2110	9	AY358345	AY358345 Homo sapi	1208	9.5	1257	5	GGCEPUI	272497 G.gallus mr
1136	149	9.7	2131	6	CQ590793	CQ590793 Sequence	1209	9.5	1361	6	AX191619	AX191619 Sequence
1137	149	9.7	2157	3	AY051829	AY051829 Drosophil	1210	9.5	1997	9	AK131201	AK131201 Homo sapi
1138	149	9.7	2197	9	HUMBGP1	J03858 Human bilia	1211	9.5	3709	6	AX401668	AX401668 Sequence
1139	149	9.7	2220	9	HSVCAM1	X53051 Human mRNA	1212	9.5	3709	10	D85183	D85183 Rattus norv
1140	149	9.7	2648	10	RATFGR4A	M91599 Rattus sp.	1213	9.5	3727	6	E15702	E15702 Rat SHPS-1
1141	149	9.7	2811	6	AR174650	AR174650 Sequence	1214	9.5	3960	9	AK126878	AK126878 Homo sapi
1142	149	9.7	2811	6	AX409675	AX409675 Sequence	1215	9.5	5723	10	AF300943	AF300943 Mus muscu
1143	149	9.7	2811	6	BD140419	BD140419 Endotheli	1216	9.5	6655	10	BC060237	BC060237 Mus muscu
1144	149	9.7	2811	9	HUMCAM1V	M30257 Human vascu	1217	9.5	7080	10	AX353236	AX353236 Mus muscu
1145	149	9.7	2813	6	AR370613	AR370613 Sequence	1218	9.5	7642	6	CQ776627	CQ776627 Sequence
1146	149	9.7	3080	6	AR174651	AR174651 Sequence	1219	9.5	7642	6	AX818174	AX818174 Sequence
1147	149	9.7	3080	6	BD140420	BD140420 Endotheli	1220	9.5	7642	9	AF002246	AF002246 Homo sapi
1148	149	9.7	3080	9	HUMVCAM1	M60335 Human vascu	1221	9.5	7647	6	AR454602	AR454602 Sequence
1149	149	9.7	3100	9	BC017276	BC017276 Homo sapi	1222	9.5	131594	2	DMBR17J10	AL122026 Drosophil
1150	149	9.7	3103	6	CQ725105	CQ725105 Sequence	1223	9.5	678	6	CQ780539	CQ780539 Sequence
1151	149	9.7	3109	9	BC068490	BC068490 Homo sapi	1224	9.5	678	6	CQ781801	CQ781801 Sequence
1152	149	9.7	3461	6	108157	108157 Sequence 4	1225	9.5	678	6	BD125248	BD125248 Primer fo
1153	149	9.7	3461	6	108167	108167 Sequence 10	1226	9.5	678	6	BD126510	BD126510 Primer fo
1154	149	9.7	3464	6	CQ834029	CQ834029 Sequence	1227	9.5	834	6	AX429004	AX429004 Sequence
1155	149	9.7	3464	6	AX330303	AX330303 Sequence	1228	9.5	1366	10	MMBGP	X67283 M.musculus
1156	149	9.7	3464	6	AX818143	AX818143 Sequence	1229	9.5	1605	6	CQ599856	CQ599856 Sequence
1157	149	9.7	3464	6	HSTW1CEA	116354 Human mRNA	1230	9.5	1786	10	MMCEA1	X15351 Mouse mRNA
1158	149	9.7	3691	6	AX188354	AX188354 Sequence	1231	9.5	1829	10	AF329269	AF329269 Mus muscu
1159	149	9.7	3738	5	AY029401	AY029401 Danio rer	1232	9.5	1850	5	GINIGHA	M92851 Ginglymosto
1160	149	9.7	3768	9	AB102655	AB102655 Pongo pyg	1233	9.5	2645	10	MUSHPVRA	M77196 Mouse hepat
1161	149	9.7	6363	6	AR380334	AR380334 Sequence	1234	9.5	2652	6	BD231680	BD231680 31 human
1162	149	9.7	6363	9	HSU35234	U35234 Human prote	1235	9.5	3444	10	BC016891	BC016891 Mus muscu
1163	149	9.7	252070	2	AC098426	AC098426 Rattus no	1236	9.5	4956	6	BD085989	BD085989 Method of
1164	148.5	9.6	1425	6	CQ725721	CQ725721 Sequence	1237	9.5	4956	9	AF040990	AF040990 Homo sapi
1165	148.5	9.6	3009	6	AX060540	AX060540 Sequence	1238	9.5	5314	5	BC074401	BC074401 Xenopus l
1166	148.5	9.6	3284	6	AX443486	AX443486 Sequence	1239	9.5	5783	10	MMSIAL1	Z36233 M.musculus
1167	148.5	9.6	3429	4	SSC459236	AJ459296 Sus scrof	1240	9.5	6376	10	MMSIAL3	Z36293 M.musculus
1168	148.5	9.6	3617	3	SPU17164	U17164 Strongyloce	1241	9.5	157314	2	CR352289	CR352289 Danio rer
1169	148.5	9.6	3738	6	CQ715811	CQ715811 Sequence	1242	9.5	168247	2	BX571826	BX571826 Danio rer
1170	148.5	9.6	3864	6	CQ715175	CQ715175 Sequence	1243	9.5	201070	5	BX004830	BX004830 Zebrafish
1171	148.5	9.6	5598	9	AB046788	AB046788 Homo sapi	c1244	9.5	257502	5	BX005342	BX005342 Zebrafish
1172	148.5	9.6	8907	9	AF478693	AF478693 Homo sapi	1245	9.5	1627	6	AX805542	AX805542 Sequence

1246	146	9.5	1892	5	AB117614	AB117614 Xenopus l	1319	144	9.3	1136	6	AX644997	AX644997 Sequence
1247	146	9.5	2032	9	HSCEAASP	X16455 Human mRNA	1320	144	9.3	1921	10	RATECTO	J04963 Rat ecto-AT
1248	146	9.5	2106	6	AX133657	AX133657 Sequence	1321	144	9.3	2168	9	BC048416	BC048416 Homo sapi
1249	146	9.5	2106	6	AX192349	AX192349 Sequence	1322	144	9.3	2315	9	HUMPSBGA	M34715 Human pregn
1250	146	9.5	2106	6	AX393888	AX393888 Sequence	1323	144	9.3	2463	10	AY158090	AY158090 Mus muscu
1251	146	9.5	2155	6	AX805540	AX805540 Sequence	1324	144	9.3	2499	6	CQ583689	CQ583689 Sequence
1252	146	9.5	2190	6	CQ604731	CQ604731 Sequence	1325	144	9.3	2718	6	CQ610836	CQ610836 Sequence
1253	146	9.5	2396	9	AF359246	AF359246 Homo sapi	1326	144	9.3	2732	3	AF181644	AF181644 Drosophil
1254	146	9.5	2409	6	AX481458	AX481458 Sequence	1327	144	9.3	3328	10	MMU37708	U37708 Mus musculu
1255	146	9.5	2572	10	D85785	D85785 Mouse mRNA	1328	144	9.3	3352	10	MMU37709	U37709 Mus musculu
1256	146	9.5	2903	6	CQ730301	CQ730301 Sequence	1329	144	9.3	3578	10	BC061740	BC061740 Rattus no
1257	146	9.5	3031	6	AX587568	AX587568 Sequence	1330	144	9.3	3635	10	MMU89694	U89694 Mus musculu
1258	146	9.5	3031	9	HUMGFR4X	L03840 Human fibro	1331	144	9.3	3749	10	AF525412	AF525412 Rattus no
1259	146	9.5	3175	9	BC011847	BC011847 Homo sapi	1332	144	9.3	3880	10	RNU62328	U62328 Rattus norv
1260	146	9.5	3887	9	BC070119	BC070119 Homo sapi	1333	144	9.3	4146	6	BD085987	BD085987 Method of
1261	146	9.5	5093	10	RNCCAM11	X59149 Rat mRNA fo	1334	144	9.3	5259	10	AF060570	AF060570 Mus muscu
1262	146	9.5	8035	3	AF254867	AF254867 Drosophil	1335	144	9.3	6545	10	RATLARA	L11586 Rat leukocy
1263	146	9.5	240200	2	AC122075	AC122075 Rattus no	1336	144	9.3	8500	2	AC020364	AC020364 Drosophil
1264	145.5	9.4	756	6	AR030589	AR030589 Sequence	1337	144	9.3	12777	6	CQ612444	CQ612444 Sequence
1265	145.5	9.4	1638	12	AF271233	AF271233 Synthetic	1338	144	9.3	24789	6	CQ612443	CQ612443 Sequence
1266	145.5	9.4	1695	5	AF137538	AF137538 Danio rer	1339	144	9.3	68727	3	AC004516	AC004516 Drosophil
1267	145.5	9.4	1907	3	LSU58769	U58769 Lymanaea sta	1340	144	9.3	71023	2	AC004426	AC004426 Drosophil
1268	145.5	9.4	4346	10	BC055333	BC055333 Mus muscu	1341	144	9.3	193262	3	AC007579	AC007579 Drosophil
1269	145.5	9.4	5975	10	AK173030	AK173030 Mus muscu	1342	144	9.3	260367	3	AE003808	AE003808 Drosophil
1270	145.5	9.4	12294	6	CQ612482	CQ612482 Sequence	1343	143.5	9.3	1314	9	AF538973	AF538973 Homo sapi
1271	145.5	9.4	21314	6	CQ573224	CQ573224 Sequence	1344	143.5	9.3	1410	5	BC074296	BC074296 Xenopus l
1272	145.5	9.4	69145	3	AF260530	AF260530 Drosophil	1345	143.5	9.3	1450	6	AX287596	AX287596 Sequence
1273	145.5	9.4	86446	2	AC014412	AC014412 Drosophil	1346	143.5	9.3	1565	9	AF279689	AF279689 Homo sapi
1274	145.5	9.4	100000	14	AY318871_0	AY318871 Canarypox	1347	143.5	9.3	2011	10	AF317298	AF317298 Mus muscu
1275	145.5	9.4	150101	2	CR382301	CR382301 Danio rer	1348	143.5	9.3	3080	6	AX287610	AX287610 Sequence
1276	145.5	9.4	150764	2	BX324195	BX324195 Danio rer	1349	143.5	9.3	3080	9	HS277437	HS277437 Homo sapi
1277	145.5	9.4	185976	2	CR381704	CR381704 Danio rer	1350	143.5	9.3	3098	5	DRE309303	AJ309303 Danio rer
1278	145.5	9.4	182525	3	AC009213	AC009213 Drosophil	1351	143.5	9.3	3112	6	AX287608	AX287608 Sequence
1279	145.5	9.4	239049	3	AE003765	AE003765 Drosophil	1352	143.5	9.3	3305	9	BC036769	BC036769 Homo sapi
1280	145	9.4	1013	5	AF292936	AF292936 Gallus ga	1353	143.5	9.3	3315	9	HSN805302	AL834270 Homo sapi
1281	145	9.4	1035	5	AB011810	AB011810 Gallus ga	1354	143.5	9.3	3397	6	AX780431	AX780431 Sequence
1282	145	9.4	1058	5	AF292935	AF292935 Gallus ga	1355	143.5	9.3	3397	9	AF312678	AF312678 Homo sapi
1283	145	9.4	2523	6	AR163540	AR163540 Sequence	1356	143.5	9.3	3402	6	AR252460	AR252460 Sequence
1284	145	9.4	2523	6	E13256	E13256 Human mRNA	1357	143.5	9.3	3402	6	AX080803	AX080803 Sequence
1285	145	9.4	2523	6	E14000	E14000 Human mRNA	1358	143.5	9.3	3402	6	AX191426	AX191426 Sequence
1286	145	9.4	2915	9	HSFGFR4	X57205 Human FGFR-	1359	143.5	9.3	3402	6	AX403231	AX403231 Sequence
1287	145	9.4	3132	10	MMNSK22	X86445 M.musculus	1360	143.5	9.3	3402	9	AY358303	AY358303 Homo sapi
1288	145	9.4	3257	10	MMNSK21	X86444 M.musculus	1361	143.5	9.3	219606	2	CR391904	CR391904 Danio rer
1289	145	9.4	3369	6	CQ724597	CQ724597 Sequence	1362	143	9.3	862	6	I08155	I08155 Sequence l
1290	145	9.4	3693	6	CQ724598	CQ724598 Sequence	1363	143	9.3	862	9	HUMCEALV	M17191 Human carci
1291	145	9.4	4641	10	RNU68726	U68726 Rattus norv	1364	143	9.3	918	10	MMU46841	U46841 Mus musculu
1292	145	9.4	5745	9	AY339601	AY339601 Homo sapi	1365	143	9.3	922	10	MUSBILGLY	M61907 Mus musculu
1293	145	9.4	5896	9	BC064695	BC064695 Homo sapi	1366	143	9.3	1014	6	AR030577	AR030577 Sequence
1294	145	9.4	6263	6	AR380928	AR380928 Sequence	1367	143	9.3	1014	6	AR220260	AR220260 Sequence
1295	145	9.4	6263	9	HUMPTPD	L38929 Homo sapien	1368	143	9.3	1238	6	AR030575	AR030575 Sequence
1296	145	9.4	69130	3	CBRG42821	AC084594 Caenorhab	1369	143	9.3	1238	6	AR220258	AR220258 Sequence
1297	145	9.4	224500	2	AC136530	AC136530 Rattus no	1370	143	9.3	1238	10	RNU31554	U31554 Rattus norv
1298	145	9.4	248871	2	AC094352	AC094352 Rattus no	1371	143	9.3	1547	10	AF332079	AF332079 Mus muscu
1299	145	9.4	257671	2	AC097871	AC097871 Rattus no	1372	143	9.3	1699	9	HUMPSGD	M33663 Human pregn
1300	144.5	9.4	902	4	AF525103	AF525103 Ornithorh	1373	143	9.3	1707	9	HUMCEASG9	M37397 Human carci
1301	144.5	9.4	2007	3	SCALACH	L13256 Grasshopper	1374	143	9.3	1858	6	CQ783192	CQ783192 Sequence
1302	144.5	9.4	3112	9	HSN803530	AL832223 Homo sapi	1375	143	9.3	1858	6	BD127522	BD127522 Primer fo
1303	144.5	9.4	3112	9	HSN807351	BX647207 Homo sapi	1376	143	9.3	1858	6	AK075135	AK075135 Homo sapi
1304	144.5	9.4	4144	9	HSN8080712	BX648564 Homo sapi	1377	143	9.3	1914	6	CQ783088	CQ783088 Sequence
1305	144.5	9.4	4734	10	RATFLT1	D28498 Rattus norv	1378	143	9.3	1914	6	BD127469	BD127469 Primer fo
1306	144.5	9.4	6412	9	BC048768	BC048768 Homo sapi	1379	143	9.3	1914	9	AK075079	AK075079 Homo sapi
1307	144.5	9.4	7702	6	AR380791	AR380791 Sequence	1380	143	9.3	1965	9	BC012102	BC012102 Homo sapi
1308	144.5	9.4	7702	6	AX658135	AX658135 Sequence	1381	143	9.3	2034	6	E15704	E15704 Mouse mRNA
1309	144.5	9.4	7702	9	HSLARR	Y00815 Human mRNA	1382	143	9.3	2306	9	BC022338	BC022338 Homo sapi
1310	144.5	9.4	7945	6	CQ496043	CQ496043 Sequence	1383	143	9.3	2966	6	A27171	A27171 Tyrosine ki
1311	144.5	9.4	18524	6	CQ730656	CQ730656 Sequence	1384	143	9.3	3979	10	D87967	D87967 Mouse mRNA
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1313	144.5	9.4	67558	2	AC019956	AC019956 Drosophil	1386	143	9.3	4078	6	AR270557	AR270557 Sequence
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1315	144.5	9.4	286426	3	AE003841	AE003841 Drosophil	1388	143	9.3	4619	5	GSU411	X14877 Gallus gall
1316	144	9.3	658	6	CQ719456	CQ719456 Sequence	1389	143	9.3	4773	9	HSU41725	U41725 Human prote
1317	144	9.3	901	4	AF525096	AF525096 Ornithorh	1390	143	9.3	4871	5	AF337035	AF337035 Danio rer
1318	144	9.3	1059	9	BC057227	BC057227 Homo sapi	1391	143	9.3	4991	5	GGCONTAC	Y00813 Chicken mRN

1392	143	9.3	5634	6	CQ721109	Sequence	CQ721109	Sequence	1465	141.5	9.2	994	6	AX003005	AX003005 Sequence
1393	143	9.3	5770	9	AF069602	Homo sapi	AF069602	Homo sapi	1466	141.5	9.2	1011	6	E09891	E09891 Insertion s
1394	143	9.3	5926	6	AR482482	Sequence	AR482482	Sequence	1467	141.5	9.2	1011	10	MUSMPTPC	D13904 Mus musculu
1395	143	9.3	5926	6	AX329738	Sequence	AX329738	Sequence	1468	141.5	9.2	1029	6	AR232700	AR232700 Sequence
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1409	142.5	9.2	1313	10	MMCEAFNP	X53084 Mouse mRNA	X53084 Mouse mRNA		1482	141.5	9.2	2350	9	HUMWAG	M29273 Human myeli
1410	142.5	9.2	1530	6	CQ589596	Sequence	CQ589596 Sequence		1483	141.5	9.2	2400	9	BC053347	BC053347 Homo sapi
1411	142.5	9.2	2110	5	AY248696	Gallus ga	AY248696 Gallus ga		1484	141.5	9.2	2593	4	BTORCAM	X12672 Bovine mRNA
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1420	142.5	9.2	4202	3	AY061833	Drosophil	AY061833 Drosophil		1493	141.5	9.2	4956	10	AF041082	AF041082 Rattus no
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1428	142.5	9.2	170347	3	AE034424	Drosophil	AE034424 Drosophil								
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1451	142	9.2	1947	10	AF329486	Mus muscu	AF329486 Mus muscu								
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1460	142	9.2	168393	2	CR383673	Danio rer	CR383673 Danio rer								
1461	141.5	9.2	861	6	AR030582	Sequence	AR030582 Sequence								
1462	141.5	9.2	945	6	AR030580	Sequence	AR030580 Sequence								
1463	141.5	9.2	994	6	BD177641	MBGPI pol	BD177641 MBGPI pol								
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ALIGNMENTS

RESULT 1	CR533512	1077 bp	mRNA	linear	PRI 22-JUN-2004
LOCUS	Homo sapiens	full open	reading frame	cDNA clone	RZPD0834D0919D for
DEFINITION	gene F11R, F11 receptor; complete cds, incl. stopcodon.				
ACCESSION	CR533512				
VERSION	CR533512.1	GI:49065449			
KEYWORDS	Full ORF shuttle clone, Gateway(TM), complete cds.				
SOURCE	Homo sapiens (human)				
ORGANISM	Homo sapiens				
REFERENCE	Eukaryota; Metazoa; Chordata; Vertebrata; Euteleostomi;				
AUTHORS	Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.				
TITLE	1 (bases 1 to 900)				
JOURNAL	Ebert, L., Schick, M., Neubert, P., Schatten, R., Henze, S. and Korn, B.				
AUTHORS	Cloning of human full open reading frames in Gateway(TM) system				
TITLE	entry vector (pDONR201)				
JOURNAL	Unpublished				
REFERENCE	2 (bases 1 to 900)				
AUTHORS	Ebert, L., Schick, M., Neubert, P., Schatten, R., Henze, S. and Korn, B.				
TITLE	Direct Submission				
JOURNAL	Submitted (22-JUN-2004) RZPD Deutsches Ressourcenzentrum fuer				
COMMENT	Genomforschung GmbH, Im Neuenheimer Feld 580, D-69120 Heidelberg, Germany				
	RZPD; RZPD0834D0919D, ORFNO 2851				
	www.rzpd.de/cgi-bin/products/cl.cgi?CloneID=RZPD0834D0919D RZPDLIB;				
	Human Full ORF Clones Gateway(TM) - RZPD (kan-resist.) RZPD LIB No. 834				
	www.rzpd.de/cgi-bin/products/showLib.pl.cgi/response?libNo=834				
	www.rzpd.de/products/orfclones/				
	Contact: Inge Arlart				
	RZPD Deutsches Ressourcenzentrum fuer Genomforschung GmbH,				
	Heubnerweg 6, D-14059 Berlin, Germany				
	Tel: +49 30 32639 100				

Fax: +49 30 32639 111
www.rzpd.de

This clone is available from RZPD;
contact RZPD (customer.service@rzpd.de) for further information.
This CDS clone is a part of a collection of human full ORF clones
generated by RZPD.

This CDS has been cloned incl. stopcodon.
The CDS has been inserted into pDONR201 via a BP Clonase(TM)
reaction. Additional sequence has been added in front of the start
codon: att. .AAAAA GCA GGC (ATG).
After the stop codon 3' UTR sequence is present in front of the 3'
att site (ACCCAGCTTCTT).

Compared to the reference sequence NM_144501 (gi21464106) we did
not find any amino acid exchanges.

Clone distribution: <http://www.rzpd.de/products/orfclones/>.

FEATURES

source

1. .1077

/organism="Homo sapiens"

/mol_type="mRNA"

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/clone_lib="RZPD0834D0919D"

/lab_host="Human Full ORF Clones Gateway(TM) - RZPD"

/notes="Vector: pDONR201, Site_1: attP1; Site_2: attP2"

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PEYTKDGIWPTNPKRSLFSSVYVLPNTGELVFDPLSADTGYSCEARNGY

GTPTMSNAVRMEAVERNVGVIAAIVLTLILLILVFIWFAYSRGHFDRTKGTSSK

KVIYSQPSRSEGEKFTQSSFLV"

ORIGIN

Alignment Scores:

Pred. No.: 1.11e-127 Length: 1077
Score: 1544.00 Matches: 299
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 9 Gaps: 0

US-10-785-220-1 (1-299) x CR533512 (1-1077)

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Db 1 ATGGGACAAAGCGCAAGTCGAGAGAACTGTGTGCTCTTCATATGGCGATCCTG 60
QY 21 LeuCysSerLeuAlaLeuGlySerValThrValHisSerSerGluProGluValArgile 40
Db 61 TTGTGCTCCTGGCATTGGGCAGTGTACAGTGCACCTCTTGAACCTGAGTCAGATT 120
QY 41 ProGluAsnAsnProValLysLeuSerCysAlaTyrSerGlyPheSerProArgVal 60
Db 121 CCTGAGAAATAATCCTGTGAAGTTGTCTGTGCTACTCGGGCTTTCTTCTCCCGTGTG 180
QY 61 GluTTrpLysPheAspGlnGlyAspThrThrArgLeuValCysTyrAsnAsnLysIleThr 80
Db 181 GAGTGAAGTTTGACCAAGAGACACACAGACTCGTTTGTCTATTAACAAGATCACA 240
QY 81 AlaSerTyrGluAspArgValThrPheLeuProThrGlyIleThrPheLysSerValThr 100
Db 241 GCTTCTATGAGACCGGGTGACCTCTTGCCAACTGGTATACCTTCAAGTCCGTGACA 300
QY 101 ArgGluAspThrGlyThrTyrThrCysMetValSerGluGlnGlyGlyAsnSerTyrGly 120
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QY 121 GluValLysValLysLeuIleValLeuValProProSerLysProThrValAsnIlePro 140
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QY 141 SerSerAlaThrIleGlyAsnArgAlaValLeuThrCysSerGluGlnAspGlySerPro 160
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QY 161 ProSerGluTyrThrTrpPheLysAspGlyIleValMetProThrAsnProLysSerThr 180
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Db 721 GCAGCGCTCTTGTAACTTCTCTGGAATCTTGGTATCTGCTGGAATCTGCTGTTGCC 780
QY 261 TyrSerArgGlyHisPheAspArgThrLysLysGlyThrSerSerLysLysValIleTyr 280
Db 781 TATAGCCGAGGCCACTTTGACAGACAAGAAGGAGACTTCGAGTAAGAAGGTGATTAC 840
QY 281 SerGlnProSerAlaArgSerGluGlyGluPheLysGlnThrSerSerPheLeuVal 299
Db 841 AGCCAGCCTAGTGCCTGAGTGAAGAGAGAAATCAAACAGACCTCGTCAATTCCTGGTG 897
RESULT 2
AR201016 LOCUS AR201016 1140 bp DNA linear PAT 20-APR-2002
DEFINITION Sequence 1 from patent US 6358707.
ACCESSION AR201016
VERSION AR201016.1 GI:20251904
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
REFERENCE 1 (bases 1 to 1140)
AUTHORS Gupta,S.Kant. and Pillarisetti,K.
TITLE Human F11 antigen: a novel cell surface receptor involved in
platelet aggregation
JOURNAL Patent: US 6358707-A 1 19-MAR-2002;
FEATURES Location/Qualifiers
1. .1140
/organism="unknown"
/mol_type="unassigned DNA"

ORIGIN

Alignment Scores:
Pred. No.: 1.19e-127 Length: 1140
Score: 1544.00 Matches: 299
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 6 Gaps: 0

US-10-785-220-1 (1-299) x AR201016 (1-1140)

QY 1 MetGlyThrLysAlaGlnValGluArgLysLeuLeuCysLeuPheLeuAlaLeu 20
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Db 224 TTGTGCTCCCTGGCATTGGGCACTGTGTACAGTGCACCTCTTCTGAACCTGAAGTCAGAAAT 283
QY 41 ProGluAsnAsnProValLysLeuSerCysAlaTyrSerGlyPheSerProArgVal 60
Db 284 CCTGAGATTAATCTGTGAAGTTGTCTGTGCTACTTCGGGCTTTCTTCTCCCGGTGG 343
QY 61 GluTrpLysPheAspGlnGlyAspThrThrArgLeuValCysTyrAsnAsnLysIleThr 80
Db 344 GAGTGAAGTTTGACCAAGGAGACACCCAGCACTCGTTTGCTATAATAACAAGATCACA 403
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QY 101 ArgGluAspThrGlyThrTyrThrCysMetValSerGluGluGlyGlyAsnSerTyrGly 120
Db 464 CGGAGAGACACTGGGACATACCTTGTATGCTCTTGAGGAAGCGGCAACACTATGGG 523
QY 121 GluValLysValLysLeuIleValLeuValProProSerLysProThrValAsnIlePro 140
Db 524 GAGGTCAAGGTCAAGCTCATCGTGTCTTGCTCCATCCCAAGCTACAGTTAAACATCCCC 583
QY 141 SerSerAlaThrIleGlyAsnArgAlaValLeuThrCysSerGluGlnAspGlySerPro 160
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QY 161 ProSerGluTyrThrTrpPheLysAspGlyIleValMetProThrAsnProLysSerThr 180
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QY 181 ArgAlaPheSerAsnSerSerTyrValLeuAsnProThrThrGlyGluLeuValPheAsp 200
Db 704 CGTGCTTTCAGCAACTCTTCTCTATGCTCTGAATCCCAACACAGAGAGCTGTCTTTGAT 763
QY 201 ProLeuSerAlaSerAspThrGlyGlyTyrSerCysGluAlaArgAsnGlyTyrGlyThr 220
Db 764 CCCTGTGACCTCTGTACTGGGAATAACAGCTGTGAGGACGGAATGGGTATGGGACA 823
QY 221 ProMetThrSerAsnAlaValArgMetGluAlaValGluArgAsnValGlyValIleVal 240
Db 824 CCATGACTTCAATGCTGTGCGCATGGAAGCTGTGGAGGGAATGTGGGGGTCATCGTG 883
QY 241 AlaAlaValLeuValThrLeuIleLeuLeuGlyIleLeuValPheGlyIleThrPheAla 260
Db 884 GCAGCCGCTCTGTAAACCTGATCTCTCGGAATCTTGGTTTGGCATCTGGTTGCC 943
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QY 281 SerGlnProSerAlaArgSerGluGlyGluPheLysGlnThrSerSerPheLeuVal 299
Db 1004 AGCCAGCTAGTGCCCGAAGTGAAGGAGAATTCAACAGACACCTCGTCATTCCTGGTG 1060

RESULT 3
LOCUS BD080010
DEFINITION Human Fli antigen as cell surface receptor participating in
platelet coagulation.
ACCESSION BD080010
VERSION BD080010.1 GI:22625613
KEYWORDS JP 2001509372-A/1.
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE 1 (bases 1 to 1140)
AUTHORS Gupta, S.K. and Pillarisetti, K.
TITLE Human Fli antigen as cell surface receptor participating in
platelet coagulation
JOURNAL Patent: JP 2001509372-A 1 24-JUL-2001;
SMITHKLINE BEECHAM CORP
COMMENT OS Homo sapiens (human)
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PN JP 2001509372-A/1
PD 24-JUL-2001
PF 10-JUL-1998 JP 2000502080
PR 10-JUL-1997 US 60/052186
PI SHALLEY KANT GUPTA, KODANDARAM PILLARISETTI
PC C12N15/09, A61K38/00, A61K39/395, A61K45/00, A61K48/00, A61P9/00,
A61P19/00,
PC A61P29/00, A61P35/00, A61P37/00, C07K14/47, C07K16/18, C12N1/15, PC
C12N1/19,
PC C12N1/21, C12N5/10, C12P21/02, C12N15/00, A61K37/02, C12N5/00 CC
Human Fli antigen as cell surface receptor participating in CC
CC platelet
CC coagulation
FT Key Location/Qualifiers
FT source 1..1140
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Percent Similarity: 100.00% Mismatches: 0
Best Local Similarity: 100.00% Indels: 0
Query Match: 100.00% Gaps: 0
DB: 6
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QY 21 LeuCysSerLeuAlaLeuGlySerValThrValHisSerSerGluProGluValAlaGly 40
Db 224 TTGTGCTCTCGTCATGGCATTGGCAGTGTACAGTGCACTCTTCTGAACTGNAAGTCAGAA 283
QY 41 ProGluAsnAsnProValLysLeuSerCysAlaTyrSerGlyPheSerProArgVal 60
Db 284 CCTGAGAAATAACTCTGTGAAGTTGCTCTGTGCTACTCTGGGCTTTCTTCTCCCGGTGG 343
QY 61 GluTrpLysPheAspGlnGlyAspThrThrArgLeuValCysTyrAsnAsnLysIleThr 80
Db 344 GAGTGAAGTTTGACCAAGGAGACACCCAGCACTCGTTTGCTATAATAACAAGATCACA 403
QY 81 AlaSerTyrGluAspArgValThrPheLeuProThrGlyIleThrPheLysSerValThr 100
Db 404 GCTTCTATGAGACCGGGTGACCTTCTTGCCAACTGGTATCACCCTCAAGTCGGTGACA 463
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QY 121 GluValLysValLysLeuIleValLeuValProProSerLysProThrValAsnIlePro 140
Db 524 GAGGTCAAGGTCAAGCTCATCGTGTCTTGCTCCATCCCAAGCTACAGTTAAACATCCCC 583
QY 141 SerSerAlaThrIleGlyAsnArgAlaValLeuThrCysSerGluGlnAspGlySerPro 160
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QY 161 ProSerGluTyrThrTrpPheLysAspGlyIleValMetProThrAsnProLysSerThr 180
Db 644 CCTTCTGATACACCTGTGTTCAAGATGGGATAGTATGCTACGAATCCCAAGACACC 703
QY 181 ArgAlaPheSerAsnSerSerTyrValLeuAsnProThrThrGlyGluLeuValPheAsp 200
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Db 884 GCAGCCGCTCTTGTAACCCCTGATTCCTCGGGAATCTTGCTTTTGGCATCTGGTTTGGC 943
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DEFINITION Sequence 67 from Patent WO2004058805.
ACCESSION Q0834196
VERSION Q0834196.1 GI:50833733
KEYWORDS
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
1
REFERENCE Matsuda, A. and Yoneta, S.
AUTHORS T cell activating gene
TITLE Patent: WO 2004058805-A 67 15-JUL-2004;
JOURNAL Asahi Kasei Pharma Corporation (JP)
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QY 21 LeuCysSerLeuAlaLeuGlySerValThrValHisSerSerGluProGluValArgIle 40
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QY 41 ProGluAsnAsnProValLysLeuSerCysAlaTyrSerGlyPheSerProArgVal 60
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Db 261 GAGTGGAGTTTGACCAAGGAGACACACAGACTCGTTTGTCTATAATAACAAGATCACA 320
QY 81 AlaSerTyrGluAspArgValThrPheLeuProThrGlyIleThrPheLysSerValThr 100
Db 321 GCTTCTCTATGAGACCGGGTGACCTTCTTGCCAACCTGGTATCACCTTCAAGTCCGTCG 380
QY 101 ArgGluAspThrGlyThrTyrThrCysMetValSerGluGluGlyValGlyValAsnSerTyrGly 120
Db 381 CGGGAAGACACTGGGACATACACTTGTATGCTCTCTGAGAAAGGCGGCAAGACTATGG 440
QY 121 GluValLysValLysLeuIleValLeuValProProSerLysProThrValAsnIlePro 140
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QY 141 SerSerAlaThrIleGlyAsnArgAlaValLeuThrCysSerGluGlnAspGlySerPro 160
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QY 181 ArgAlaPheSerAsnSerSerTyrValLeuAsnProThrThrGlyGluLeuValPheAsp 200
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QY 281 SerGlnProSerAlaArgSerGluGlyGluPheLysGlnThrSerSerPheLeuVal 299
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LOCUS AR478942 1822 bp DNA linear PAT 14-MAY-2004
DEFINITION Sequence 1 from patent US 6699688.
ACCESSION AR478942
VERSION AR478942.1 GI:47237803
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
REFERENCE 1 (bases 1 to 1822)
AUTHORS Kornecki, E. and Sobocka, M.B.
TITLE Human platelet FII receptor
JOURNAL Patent: US 6699688-A 1 02-MAR-2004;
FEATURES Location/Qualifiers
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ORIGIN
Alignment Scores: 2.1e-127 Length: 1822
Pred. No.: 1822
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9/16/96

Score: 1544.00 Matches: 299
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 Db 316 CGGGAAGACACTGGGACATACCTGTATGCTCTCTGAGGAAGCGCAACACTATGGG 375
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AF207907 LOCUS 1822 bp mRNA linear PRI 14-FEB-2001
 DEFINITION Homo sapiens platelet F11 receptor mRNA, complete cds.
 ACCESSION AF207907

AF207907.1 GI:6653648

KEYWORDS
 SOURCE
 ORGANISM

Homo sapiens (human)
 Homo sapiens
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

REFERENCE

AUTHORS

TITLE

Naik, U.P., Ehrlich, Y.H. and Korneci, E.
 Mechanisms of platelet activation-by a stimulatory antibody:
 cross-linking of a novel platelet receptor for monoclonal antibody
 F11 with the P₂U gamma RII receptor
 Biochem. J. 310 (Pt 1), 155-162 (1995)

JOURNAL

MEDLINE

PUBMED

REFERENCE

AUTHORS

TITLE

Sobocka, M.B., Sobocki, T., Banerjee, P., Weiss, C., Rushbrook, J.I.,
 Norrin, A.J., Hartwig, J., Salifu, M.O., Markell, M.S., Babinska, A.,
 Ehrlich, Y.H. and Korneci, E.
 Cloning of the human platelet F11 receptor: a cell adhesion
 molecule member of the immunoglobulin superfamily involved in
 platelet aggregation
 Blood 95 (8), 2600-2609 (2000)

JOURNAL

MEDLINE

PUBMED

REFERENCE

AUTHORS

TITLE

JOURNAL

FEATURES

source

CDS

Location/Qualifiers

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/organism="Homo sapiens"

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/notes="platelet membrane glycoprotein; monoclonal antibody

F11 induces secretion and aggregation of human platelets

by recognizing the F11 receptor; Method: conceptual

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ORIGIN

Alignment Scores:

Pred. No.: 2,1e-127 Length: 1822

Score: 1544.00 Matches: 299

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Best Local Similarity: 100.00% Mismatches: 0

Query Match: 100.00% Indels: 0

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DEFINITION Secretary and transmembrane polypeptide and nucleic acid encoding the same.
ACCESSION BD175316
VERSION BD175316.1 GI:29121012
KEYWORDS JP 2002253280-A/98.
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
REFERENCE 1 (bases 1 to 1842)
AUTHORS Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
Yuan, J.
TITLE Secretary and transmembrane polypeptide and nucleic acid encoding the same
JOURNAL Patent: JP 2002253280-A 98 10-SEP-2002;
GENENTECH INC
COMMENT OS Homo sapiens (human)
FN JP 2002253280-A/98
PD 10-SEP-2002
PF 18-DEC-2001 JP 2001385319

PR 17-SEP-1997 US 60/059115,17-SEP-1997 US 60/059184 PR
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17-SEP-1997 US 60/059113,17-SEP-1997 US 60/059121 PR
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17-OCT-1997 US 60/062287,15-OCT-1997 US 60/062285 PR
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24-NOV-1997 US 60/066770,24-NOV-1997 US 60/066511 PR
24-NOV-1997 US 60/066453,25-NOV-1997 US 60/066840 PI
WILLIAM I WOOD, AUSTIN L GURNEY, AUDREY GODDARD, DIANE PENNICA, PI
JIAN ZHENG,
PI JEAN YUAN
PC C12N15/09, A61K45/00, A61P1/00, A61P13/12, A61P17/00, A61P17/06, PC
A61P25/00,
PC A61P25/16, A61P25/28, A61P31/12, A61P35/00, C07K14/47, C07K16/18,
PC C07K19/00,
PC C12N1/19, C12N1/21, C12N5/10/A61K38/00, A61K39/395, A61K39/395,
PC A61P43/00,
PC C12P21/08, (C12N1/19, C12R1:645), (C12N1/21, C12R1:19), (C12N5/10,
PC C12R1:91),
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encoding the same
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ORIGIN
Alignment Scores:
Pred. No.: 2.13e-127 Length: 1842
Score: 1544.00 Matches: 299
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
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Qy 1 MetGlyThrLysAlaGlnValGluArgLysLeuLeuCysLeuPheIleLeuAlaIleLeu 20
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Db 112 TTGTGCTCCCTGGCATTTGGCAGTGTACAGTGCACCTCTTCTGAACCTGAAGTCAGAA 171
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Db 172 CCTGAGAATAATCCTGTGAAGTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 231
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VERSION   BD075465.1 GI:22621068
KEYWORDS JP 2001516580-A/98.
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REFERENCE 1 (bases 1 to 1842)
AUTHORS   Wood,W.I., Gurney,A.L., Goddard,A., Penica,D., Chen,J. and Yuan,J.
TITLE     Secretory and transmembrane polypeptide and nucleic acid encoding the same
JOURNAL   Patent: JP 2001516580-A 98 02-OCT-2001; GENENTECH INC
COMMENT   OS Homo sapiens (human)
          PN JP 2001516580-A/98
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25-NOV-1997 US 60/066840
PI WILLIAM I WOOD, AUSTIN L GURNEY, AUDLEY GODDARD, DIANE PENICA, PI
JEAN CHEN
PI JEAN YUAN
PC C12N15/09, C07K14/47, C07K14/705, C07K16/18, C07K19/00,
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 Secreted and transmembrane polypeptides and nucleic acids encoding the same.

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 Wood, W.I., Gurney, A.L., Goddard, A., Pennica, D., Zheng, J. and Yuan, J.

REFERENCE
 AUTHORS
 Secreted and transmembrane polypeptides and nucleic acids encoding the same

TITLE
 Patent: JP 2002238586-A 98 27-AUG-2002;
 GENENTECH INC

JOURNAL
 OS Homo sapiens (human)
 PN JP 2002238586-A/98
 PD 27-AUG-2002
 PF 18-DEC-2001 JP 2001385205

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 JIAN ZHENG,
 PI JEAN YUAN
 PC C12N15/09, C07K14/47, C07K16/18, C07K19/00, C12N1/19, C12N1/21, PC
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DEFINITION Secreted and transmembrane polypeptides and nucleic acids encoding the same.
ACCESSION BD172963
VERSION BD172963.1 GI:28412469
KEYWORDS JP 2002238587-A/98.
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE 1 (bases 1 to 1842)
AUTHORS Wood,W.I., Gurney,A.L., Goddard,A., Pennica,D., Zheng,J. and Yuan,J.
TITLE Secreted and transmembrane polypeptides and nucleic acids encoding the same
JOURNAL Patent: JP 2002238587-A 98 27-AUG-2002;
GENENTECH INC
COMMENT OS Homo sapiens (human)
PN JP 2002238587-A/98
PD 27-AUG-2002 JP 2001385248
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WILLIAM I WOOD,AUSTIN L GURNEY,AUDREY GODDARD,DIANE PENNICA, PI JIAN ZHENG,

PI JEAN YUAN
PC C12N15/09,C07K14/47,C07K16/18,C12N1/19,C12N1/21,C12N5/10, PC C12N15/02,
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VERSION BD173282.1 GI:28414593
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REFERENCE 1 (bases 1 to 1842)
AUTHORS Wood,W.I., Gurney,A.L., Goddard,A., Pennica,D., Zheng,J. and
Yuan,J.
TITLE Secreted and transmembrane polypeptides and nucleic acids encoding
the same
JOURNAL PATENT: JP 2002238588-A 98 27-AUG-2002;
GENENTECH INC
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WILLIAM I WOOD, AUSTIN L GURNEY, AUDREY GODDARD, DIANE PENNICA, PI
JIAN ZHENG,
PI JEAN YUAN
PC C12N15/09, C07K14/435, C07K16/18, C07K19/00, C12N1/19, C12N1/21, PC
C12N5/10,
C12P21/02, C12P21/08, (C12N1/19, C12R1.645), (C12N1/21, C12R1.19),
PC (C12N5/10, C12R1.91), C12N15/00, C12N5/00, (C12N5/00, C12R1.91) CC
Secreted and transmembrane polypeptides and nucleic acids
encoding the same
PH Key Location/Qualifiers

FT source 1..1842
FT /organism='Homo sapiens (human)'.
FEATURES
source 1..1842
Location/Qualifiers
/organism='Homo sapiens'
/mol_type='genomic DNA'
/db_xref='taxon:9606'
ORIGIN
Alignment Scores: 2.13e-127 Length: 1842
Pred. No.: 1544.00 Matches: 299
Score: 100.00% Conservative: 0
Percent Similarity: 100.00% Mismatches: 0
Best Local Similarity: 100.00% Indels: 0
Query Match: 100.00% Gaps: 0
DB: 0
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Qy 41 ProGluAsnProValLysLeuSerCysAlaTyrSerGlyPheSerSerProArgVal 60
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Qy 61 GluTrpLysPheAspGlnGlyAspThrThrArgLeuValCysTyrAsnAsnLysIleThr 80
Db 232 GAGTGAAGTTTGACCAAGAGACACACAGACTCGTTTGCTATATATACAGATCACA 291
Qy 81 AlaSerTyrGluAspArgValThrPheLeuProThrGlyIleThrPheLysSerValThr 100
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Qy 101 ArgGluAspThrGlyThrThrCysMetValSerGluGluGlyGlyAsnSerTyrGly 120
Db 352 CGGGAAGACACTGGGACATACACTTGTATGGTCTCTGAGGAAGCGGCAACAGCTATGG 411
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Db 412 GAGTCAAGGTCNAGCTCATCGTGTGGCTCCATCCAGCTACAGTTACATCCCC 471
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Qy 241 AlaAlaValLeuValThrLeuIleLeuGlyIleLeuValPheGlyIleTrpPheAla 260
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RESULT 13

AR410694

LOCUS AR410694 1857 bp DNA linear PAT 18-DEC-2003

DEFINITION Sequence 118 from patent US 6635468.

ACCESSION AR410694

VERSION AR410694.1 GI:40162194

KEYWORDS

SOURCE Unknown.

ORGANISM Unknown.

REFERENCE

AUTHORS 1 (bases 1 to 1857)

Ashkenazi, A., Botstein, D., Desnoyers, L., Eaton, D.L., Ferrara, N., Filvaroff, E., Fong, S., Gao, W.-Q., Gerber, H., Gerritsen, M.E., Goddard, A., Godowski, P.J., Grimaldi, J.C., Gurney, A.L., Hillan, K.J., Kljavin, I.J., Mather, J.P., Pan, J., Paoni, N.F., Roy, M.A., Stewart, I.A., Tumas, D., Williams, P.M. and Wood, W.I.

TITLE Secreted and transmembrane polypeptides and nucleic acids encoding the same

JOURNAL Patent: US 6635468-A 118 21-OCT-2003;

FEATURES

source Location/Qualifiers

1..1857

/organism="unknown"

/mol_type="genomic DNA"

ORIGIN

Alignment Scores:

Pred. No.: 2,15e-127 Length: 1857

Score: 1544.00 Matches: 299

Percent Similarity: 100.00% Conservative: 0

Best Local Similarity: 100.00% Mismatches: 0

Query Match: 100.00% Indels: 0

DB: 6 Gaps: 0

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Db 52 ATGGGACAAAGCGCAAGTCGAGAGAACTGTTGCTCTTCATATGGCGATCTCG 111

QY 21 LeuCysSerLeuAlaLeuGlySerValThrValHisSerSerGluProGluValArgIle 40

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QY 41 ProGluAsnAsnProValLysLeuSerCysAlaTyrSerGlyPheSerProArgVal 60

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QY 121 GluValLysValLysLeuIleValLeuValProProSerLysProThrValAsnIlePro 140

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QY 141 SerSerAlaThrIleGlyAsnArgAlaValLeuThrCysSerGluGlnAspGlySerPro 160

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QY 261 TyrSerArgGlyHisPheAspArgThrLysLysGlyThrSerSerLysLysValIleTyr 280

Db 832 TATAGCCGAGGCCACTTTTGACAGAACAAAGAAAGGAGCTTCGAGTAAGAGGTGATTTAC 891

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RESULT 14

AR439058

LOCUS AR439058 1857 bp DNA linear PAT 20-FEB-2004

DEFINITION Sequence 118 from patent US 6664376.

ACCESSION AR439058

VERSION AR439058.1 GI:42664907

KEYWORDS

SOURCE Unknown.

ORGANISM Unknown.

REFERENCE

AUTHORS 1 (bases 1 to 1857)

Ashkenazi, A., Botstein, D., Desnoyers, L., Eaton, D.L., Ferrara, N., Filvaroff, E., Fong, S., Gao, W.-Q., Gerber, H., Gerritsen, M.E., Goddard, A., Godowski, P.J., Grimaldi, J.C., Gurney, A.L., Hillan, K.J., Kljavin, I.J., Mather, J.P., Pan, J., Paoni, N.F., Roy, M.A., Stewart, I.A., Tumas, D., Williams, P.M. and Wood, W.I.

TITLE Secreted and transmembrane polypeptides and nucleic acids encoding the same

JOURNAL Patent: US 6664376-A 118 16-DEC-2003;

FEATURES

source Location/Qualifiers

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/organism="unknown"

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Pred. No.: 2,15e-127 Length: 1857

Score: 1544.00 Matches: 299

Percent Similarity: 100.00% Conservative: 0

Best Local Similarity: 100.00% Mismatches: 0

Query Match: 100.00% Indels: 0

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Db 832 TATAGCCGAGCCACTTTGACAGAAACAAGAGGAGCTTCGAGTAAGAAGGTGATTTAC 891
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DEFINITION Sequence 118 from patent US 6686451.
ACCESSION AR473078
VERSION AR473078.1 GI:42708453
KEYWORDS
SOURCE Unknown.
ORGANISM Unclassified.
REFERENCE 1 (bases 1 to 1857)
AUTHORS Desnoyers,L., Goddard,A., Godowski,P.J., Gurney,A.L., Mather,J.P., Williams,P.M. and Wood,W.I.
TITLE Secreted and transmembrane polypeptides and nucleic acids encoding the same
JOURNAL Patent: US 6686451-A 118 03-FEB-2004;
FEATURES Location/Qualifiers
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ORIGIN

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Search completed: January 19, 2005, 00:14:54
Job time : 3732 secs

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Pred. No.: 2,15e-127 Length: 1857
Score: 1544.00 Matches: 299
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: Gaps: 0
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Db 592 CGTGCCTTCAGCAACTTCTTCTATGCTGTAATCCCAACAGAGAGCTGGTCTTTGAT 651
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Db 892 AGCCAGCCTAGTGCCTGGAAGTGAAGGAGAATTCAACAGACACCTCGTCAATTCCTGGTG 948
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